Operating and installation instructions
Induction hobs

It is **essential** to read the operating and installation instructions before setup, installation, and commissioning. This prevents both personal injury and damage to the appliance.

en-GB

M.-Nr. 13 156 530

Contents

Warnings and safety notes **6**

Sustainability and environmental protection **16**

Installation **18**
Safety notes for installation 18
Additional safety notes for extraction mode 19
Additional safety notes for Plug & Play mode 20
Additional safety notes for surface-mounted installation 22
Additional safety notes for flush-fit installation 22
Safety distances 23
Operating options 26
Installation examples 26
Plug & Play adapter dimensions 28
Installation dimensions for surface-mounted installation 29
KMDA 5649 FR 29
KMDA 5649 FL, KMDA 5649 FL MattFinish 30
Extraction and guided recirculation mode 31
Plug&Play mode 33
Installation dimensions for flush-fit installation 35
KMDA 5649 FL, KMDA 5649 FL MattFinish 35
Extraction and guided recirculation mode 36
Plug&Play mode 37
Connection to window contact, if required 38
Installing a surface-mounted hob withextraction and guided recirculation mode 40
Preparing the worktop for surface-mounted installation in extraction and guided recirculation mode 40
Installing a surface-mounted hob with extraction and guided recirculation mode 40
Installing a surface-mounted hob withPlug & Play 41
Preparing the worktop for surface-mounted installation with Plug & Play 41
Installing a surface-mounted hob with Plug & Play 42
Installing a flush-fit hobwith extraction and guided recirculation mode. 42
Preparing the worktop for flush-fit installation in extraction and guided recirculation mode 42
Installing a flush-fit hob with extraction and guided recirculation mode 42
Installing a flush-fit hobwith Plug & Play 44
Preparing the worktop for flush-fit installation with Plug & Play 44
Installing a flush-fit hob with Plug & Play 44
Rear wall cut-out without drilling template 47
Creating the rear panel cut-out with surface-mounted installation and an installation distance (vertical) between the top of the appliance and the lowest point of the Plug & Play adapter of 200 mm 47
Creating the rear panel cut-out with flush-fit installation and an installation distance (vertical) between the top of the appliance and the lowest point of the Plug & Play adapter of 200 mm 48
Electrical connection 49

Familiarisation **51**
Your hob 51
Features 52
Scope of delivery 52
Optional accessories 53
Controls and indicators 54
Cooking zone data 56

Contents

Power management 57
Operation 57
Components 58
Grease filter 58
Charcoal filter 58
Special functions 58
Permanent pan recognition 58
Pan size recognition 58
Flex cooking area 58
Hob power levels 58
Hob Booster 58
Stop&Go 58
Auto heat-up 58
Timer 58
System lock 59
Safety lock 59
Recall 59
Keeping warm 59
Wipe protection 59
Con@ctivity 59
Guided recirculation mode 59
Plug & Play mode 59
Vapour extractor power levels ... 59
Cooker hood Booster function... 59
Run-on function 59
Operating hours counter 60
Settings 60
Demo mode 60
Residual heat indicator 60
Safety switch-off 60
Overheating protection 61
Software version 61

Commissioning **62**
Unpacking the hob 62
Cleaning the hob for the first time .. 62
Switching on the hob for the first time 62
Using the vapour extractor for the first time 62

Operation **63**
Safety notes for operation 63
Switching the hob on 63
Positioning cookware 63
Linking/unlinking Flex cooking zones manually 64
Hob power levels 64
Setting the power level 64
Setting the power level – intermediate levels 64
Changing the power level 65
Booster 65
Activating the Booster 65
Deactivating the Booster 65
Activating/deactivating Stop&Go ... 65
Power transfer 65
Auto heat-up 65
Activating auto heat-up 66
Deactivating auto heat-up 66
Timer 66
Setting the time 66
Setting the timer 66
Changing the timer duration 66
Deleting the timer duration 67
Setting the switch-off time 67
Changing the switch-off time for a cooking process 67
Deleting the switch-off time for a cooking process 67
Setting the switch-off time for further cooking processes 67
Displaying the switch-off time for a cooking process 68
Using both timer functions at the same time 68
System lock 68
Activating the system lock 68
Deactivating the system lock 68
Safety lock 68
Activating the safety lock 68
Deactivating the safety lock 68
Activating the Recall function 68
Activating/deactivating the Keeping warm function 68
Wipe protection 69
Activating wipe protection 69
Deactivating wipe protection 69

Contents

Vapour extraction 69
Manually setting the vapour extractor power level 69
Manually switching off the cooker hood 69
Activating the Booster 69
Deactivating the Booster 69
Deactivating Con@ctivity temporarily 69
Run-on 69
Activating/deactivating demo mode 70

Setting ranges for the hob power levels **71**

Good to know **72**
Your hob 72
How induction hobs work 72
Noises 72
Cookware 72
Your cooker hood 74
How the cooker hood works 74
Operating hours counter 74
Air extraction tips 74

Adjusting settings **76**
Displaying the software version 79

Cleaning and care **80**
Surfaces 80
Cleaning the ceramic glass hob: KMDA 5649 FR, KMDA 5649 FL .. 80
Safety notes on cleaning and care 80
When to clean 80
Cleaning the ceramic glass surfaces 81
Unsuitable cleaning agents 81
Cleaning the MattFinish ceramic glass hob: KMDA 5649 FL MattFinish 81
Safety notes on cleaning and care 81
When to clean 82
Cleaning the MattFinish ceramic glass surfaces 82
Unsuitable cleaning agents 83
Parts suitable for dishwashers 83
Cover grille 83
Removing the cover grille 83
Cleaning the cover grille by hand 83
Cleaning the cover grille in the dishwasher 83
Grease filter 84
Removing the grease filter 84
Cleaning the grease filter by hand 84
Cleaning the grease filter in the dishwasher 84
Fitting the grease filters 84
Replacing the grease filter 84
Resetting the grease filter operating hours counter 84
Charcoal filter (only in the case of guided recirculation mode or Plug & Play mode) 85
Replacing the charcoal filter (only in the case of guided recirculation mode or Plug & Play mode) 85
Resetting the charcoal filter operating hours counter (only in the case of guided recirculation mode or Plug & Play mode) 85
Cleaning the cooker hood drip tray . 85
Cleaning inside the cooker hood casing 86

Troubleshooting **87**
Messages in the display 87
Unexpected behaviour 88
Unsatisfactory results 89

General problems or technical faults 89

Customer Service **91**
Contact in the event of a fault 91
Data plate 91
Warranty 91

Technical data **92**
Product data sheets 92
Copyrights and Licences 93

Warnings and safety notes

This hob complies with all relevant local and national safety requirements. Inappropriate use can, however, lead to personal injury and material damage.

Read the operating and installation instructions carefully before using the hob. They contain important information on safety, installation, use and maintenance. This prevents both personal injury and damage to the hob.

In accordance with standard IEC 60335-1, Miele expressly and strongly advises that you read and follow the instructions in the chapter on installing the hob as well as the warnings and safety notes.

Miele cannot be held liable for injury or damage caused by non-compliance with these instructions.

Keep the operating and installation instructions in a safe place and pass them on to any future owner.

Correct application

▶ This hob is intended for domestic use and use in other similar environments.

▶ This hob is not intended for outdoor use.

▶ It is intended for domestic use only to cook food and keep it warm. Any other use is not supported by the manufacturer and could be dangerous.

▶ This hob is not intended for use by people with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they have been given supervision and instruction concerning its use by a person responsible for their safety. They may only use the hob unsupervised if they have been shown how to use it in a safe way. They must be able to recognise and understand the dangers of misuse.

Safety with children

▶ Children under 8 years of age must be kept away from the hob unless they are constantly supervised.

▶ Children over 8 years of age may use the hob without supervision if its operation has been clearly explained to them and they are able to use it safely. Children must be able to understand and recognise the possible dangers caused by incorrect operation.

▶ Children must not be allowed to clean the hob unsupervised.

▶ Children should be supervised in the vicinity of the hob. Never allow children to play with the hob.

▶ The hob gets hot when in use and remains hot for a while after being switched off. Keep children well away from the hob until it has cooled down and there is no danger of burning.

▶ Danger of burning. Do not store anything which might arouse a child's interest in storage areas above or behind the hob. Otherwise they could be tempted to climb onto the hob.

▶ Risk of burning and scalding. Place pots and pans on the cooking zone in such a way that children cannot pull them down and burn themselves.

▶ Danger of suffocation! Whilst playing, children may become entangled in packaging material (such as plastic wrapping) or pull it over their head with the risk of suffocation. Keep packaging material away from children.

▶ Activate the system lock to ensure that children cannot switch on the hob inadvertently. Use the safety lock when the hob is in use to prevent children from altering the settings selected.

Technical safety

▶ Unauthorised installation, maintenance or repairs could result in unforeseen dangers for the user, for which the manufacturer cannot accept liability. Installation, maintenance or repairs must only be carried out by a qualified specialist or Miele Customer Service.

▶ Damage to the hob can compromise your safety. Check the hob for visible signs of damage. Do not use the hob if it is damaged.

▶ Temporary or permanent operation on an autonomous power supply system or a power supply system that is not synchronised with the mains power supply (e.g. island networks, back-up systems) is possible. A prerequisite for operation is that the power supply system complies with the specifications of EN 50160 or an equivalent standard.
The function and operation of the protective measures provided in the domestic electrical installation and in this Miele product must also be maintained in isolated operation or in operation that is not synchronised with the mains power supply, or these measures must be replaced by equivalent measures in the installation. As described, for example, in the current version of BS OHSAS 18001–2 ISO 45001.

▶ The electrical safety of this hob can only be guaranteed when correctly earthed. It is essential that this basic safety requirement is fulfilled. If in doubt, the electrical installation should be checked by a qualified electrician.

▶ The connection data (voltage and frequency) on the data plate of the hob must match the mains power supply in order to avoid the risk of damage to the hob.
Compare this data before connecting the appliance. If in any doubt, consult a qualified electrician.

▶ Do not connect the hob to the mains electrical supply by a multi-socket adapter or extension lead. These are a fire hazard and do not guarantee the required safety of the appliance.

▶ For safety reasons, this hob may only be used after it has been built in.

▶ This hob must not be used in a non-stationary location (e.g. on a ship).

▶ Any contact with live connections or tampering with the electrical or mechanical components of the hob will endanger your safety and may lead to the hob malfunctioning.
Do not open the hob housing under any circumstances.

▶ The manufacturer’s warranty will be invalidated if the hob is not repaired by a qualified specialist or by Miele Customer Service.

▶ If defective safety-relevant components are replaced, Miele can only guarantee full compliance with safety requirements if genuine Miele replacement parts are used.

▶ The hob is not intended for use with an external timer switch or a remote control system.

▶ The hob must be connected to the electricity supply by a qualified electrician (see “Installation – Electrical connection”).

▶ If the mains connection cable is damaged, it must be replaced with a special mains connection cable by a qualified specialist or Miele Customer Service.

▶ During installation, maintenance and repair work, the hob must be completely disconnected from the electricity supply. It is only completely isolated from the electricity supply when:

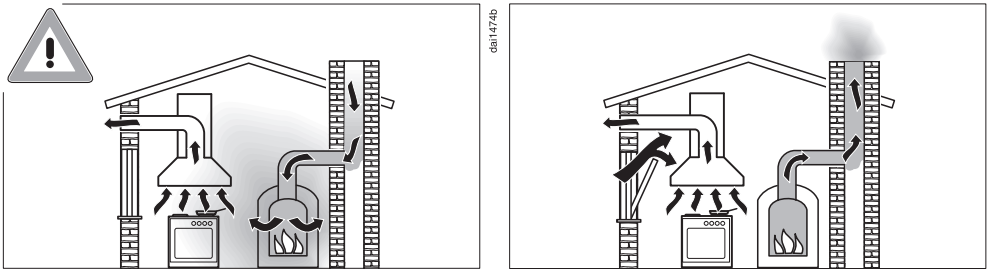
- The mains fuse has been disconnected or
- The screw-out fuses have been fully unscrewed or
- The mains plug (if present) is removed from the socket. To do this, pull the mains plug and not the mains connection cable.

▶ Risk of electric shock. Do not use the hob if it is faulty, or if the ceramic surface is cracked, chipped or damaged in any way. Switch it off immediately. Disconnect the hob from the mains power supply. Contact a qualified specialist or Miele Customer Service.

▶ If the hob is installed behind a furniture front, do not close the door while the hob is in use. Heat and moisture can build up behind the furniture front when closed. This can result in damage to the hob, the housing unit and the floor. Do not close the furniture front until the residual heat indicators go out.

▶ In areas which may be subject to infestation by cockroaches or other vermin, pay particular attention to keeping the appliance and its surroundings clean at all times. Any damage caused by cockroaches or other vermin will not be covered by the warranty.

Using at the same time as other heating appliances that depend on the air from the room



Warnings and safety notes

⚠ Danger of toxic fumes!
Great care should be taken when using the cooker hood in the same room or the same area of the house as another heating appliance that depends on the air from the room.
Such heating appliances draw in air from the room and duct exhaust gases out through a chimney or extraction ducting. They include gas, oil, wood and coal-fired boilers and heaters, continuous flow or other water heaters, gas hobs and ovens.

The cooker hood draws in air from the kitchen and from neighbouring rooms. This applies to the following modes of operation:
- extraction mode,
- recirculation mode with a recirculation box installed outside the room.

If there is insufficient air, an underpressure will occur. The heating appliance may be starved of oxygen. This impairs combustion. Harmful gases could be drawn from the chimney or extraction ducting back into the room, with potentially fatal consequences. Risk of death!

In order to ensure safe operation and to prevent gases given off by the heating appliance from being drawn back into the room, when the cooker hood and the heater are both operated simultaneously, an underpressure in the room of 0.04 mbar (4 Pa) is the maximum permissible.

Sufficient ventilation can be maintained by air inlets which cannot be blocked, e.g. in windows, doors and outside wall vents. The diameter of the inlet openings must enable sufficient ventilation. A ventilation brick alone is not generally sufficient to ensure safe ventilation.

The overall ventilation condition of the dwelling must be taken into account. If in any doubt, the advice of a competent builder, or for gas, a qualified gas fitter should be sought.

If the cooker hood is being operated in recirculation mode, where the air is passed back into the room in which the extractor is installed, the above restrictions do not apply.

Correct use

▶ The hob gets hot when in use and remains hot for quite a while after being switched off. There is a risk of burning until the residual heat indicators go out.

▶ Oil and fat can overheat and catch fire. Do not leave the hob unattended when cooking with oil and fat. If it does ignite do not attempt to put the flames out with water.
Disconnect the hob from the mains and use a suitable fire blanket, saucepan lid, damp towel or similar to smother the flames.

▶ Do not leave the hob unattended whilst it is being used. It should be continually monitored whilst boiling and flash frying.

▶ Open flames are a fire hazard.
Do not flambé food. When switched on, the cooker hood could draw flames into the filter. Kitchen grease deposits could ignite.

▶ Spray canisters, aerosols and other inflammable substances can ignite when heated. Therefore do not store such items or substances in a drawer under the hob. Cutlery inserts must be heat-resistant.

▶ Do not heat an empty pan.

▶ Do not heat up food in closed containers e.g. tins or sealed jars on the hob, as pressure can build up in the container, causing it to explode.

▶ Do not cover the hob, e.g. with a hob cover, a cloth or protective foil. The material could catch fire, shatter or melt if the hob is switched on by mistake or if residual heat is still present.

▶ When the hob is switched on either deliberately or by mistake, or when there is residual heat present, there is the risk of metal items placed on the hob heating up. Other materials can melt or catch fire. Damp pan lids might adhere to the ceramic surface and be difficult to dislodge. Do not use the hob as a resting place for anything. Always switch the cooking zones off after use.

▶ You could burn yourself on the hot hob. Protect your hands with heat-resistant pot holders or gloves when working on the hot hob. Do not let them get wet or damp. Heat transfers through damp and wet material more quickly with the risk of scalding or burning yourself.

▶ Hot cooking vapours during cooking can cause the cooker hood to get hot.
Do not touch the casing or the grease filters until the cooker hood has cooled down.

▶ When using an electrical appliance (e.g. a hand mixer) near the hob, ensure that the cable of the electrical appliance cannot come into contact with the hot hob. The cable's insulation could become damaged.

▶ Grains of salt, sugar, or sand (e.g. from cleaning vegetables) can cause scratches if they get under the cookware. Make sure the ceramic glass surface and the underside of the cookware are clean before placing down the cookware.

▶ Even a light object can cause damage in certain circumstances. Do not drop anything on the ceramic surface.

▶ Hot items placed down on the sensor controls and displays can damage the electronic modules underneath. Never place hot pots or pans on the sensor controls and displays.

▶ Do not allow solid or liquid sugar, or pieces of plastic or aluminium foil to get onto the hob when it is hot, as they can damage the ceramic surface when it cools down. If this should occur, turn off the hob immediately and scrape off all the sugar, plastic or aluminium residues while still hot, using a shielded scraper blade. Wear oven gloves when doing this. Allow the ceramic surface to cool down and then clean it with a suitable ceramic glass cleaner.

▶ Do not heat empty pans on the hob as this can damage the ceramic glass and/or the cookware. Never leave the hob unattended during use!

▶ Rough bases can scratch the ceramic glass. Use only pots and pans with smooth bases.

▶ Always lift cookware to move it. This will help prevent scratching.

▶ Because induction heating works so quickly, the base of the cookware could, under certain circumstances, heat up to the temperature at which oil or fat self-ignites within a very short time. Never leave the hob unattended during use!

▶ Heat oil or fat for a maximum of one minute. Never use the Booster function to heat oil or fat.

▶ For people fitted with a heart pacemaker: please note that the area immediately surrounding the hob is electromagnetically charged when it is switched on. It is very unlikely to affect a pacemaker. However, if in any doubt, consult the manufacturer of the pacemaker or your doctor.

▶ When switched on, the electromagnetic field of the hob can impair the function of magnetisable objects. Do not leave credit cards, digital storage devices, pocket calculators, etc. in the immediate vicinity of the hob.

▶ Metal utensils stored in a drawer under the hob can become hot if the appliance is used intensively for a long time.

▶ The hob is fitted with a cooling fan. If a drawer is fitted directly underneath the hob, ensure that there is sufficient space between the drawer and its contents and the underside of the hob in order to ensure sufficient ventilation for the hob.

▶ If a drawer is fitted directly underneath the hob, do not store any pointed or small items, paper, serviettes, etc. in the drawer. They could get in through the ventilation slots or be sucked into the casing by the fan and damage the fan or impair cooling.

▶ If the cookware only partially covers a cooking zone or extended zone, the handle could become very hot.
Always place cookware in the middle of a cooking or extended zone!

▶ Deposits of grease and dirt will prevent the cooker hood from working properly.
Do not use the cooker hood without the grease filters in place. Otherwise cooking vapours will not be cleaned.

▶ There is a risk of fire if cleaning is not carried out as described in these operating instructions.

▶ Do not cover the vapour extraction cover grille when in use.

▶ Do not place hot cookware on the vapour extraction cover grille. This will impair the function of the vapour extraction and may damage the cover grille.

▶ Liquids can damage the cooker hood if they get into it. Keep liquids away from the cooker hood.

▶ Light objects can be drawn into the cooker hood and impair its operation. Do not place any light objects (e.g. paper towels) within close proximity of the cooker hood.

▶ The induction generators could be damaged or even destroyed if you use an induction adapter plate for cookware. Do not use induction adapter plates.

Cleaning and care

▶ The steam from a steam cleaner could reach live electrical components and cause a short circuit.
Do not use a steam cleaner to clean the hob.

▶ If the hob is built-in above a pyrolytic oven or cooker, do not use it during a Pyrolytic cleaning programme as this could trigger the overheating protection device on the hob (see “Safety features – Overheating protection”).

▶ Cosmetic products, especially sunscreen, and hand disinfectants can leave stains on matt glass surfaces. If cosmetic products come into contact with a matt glass surface, remove the residue immediately with hot water, washing-up liquid and a clean microfibre cloth.

Accessories

▶ We recommend using original Miele accessories. If other parts are used, warranty, performance and/or product liability claims will be invalidated.

▶ Miele original spare parts are kept in stock for at least 10 years and up to 15 years after discontinuation of your hob.

Energy saving tips when cooking

- Cook in covered pots and pans if possible. This prevents heat escaping unnecessarily.
- Cook with as little water as possible.
- Once food has come to the boil or the pan is hot for frying, reduce the heat to a lower power level.
- Use a pressure cooker to reduce cooking durations.

Energy saving tips when operating the cooker hood

- It is important to ensure that the kitchen is well ventilated during operation. In extraction mode if there is insufficient air flow, the cooker hood cannot operate efficiently and this causes increased operating noise levels.
- Always cook with the lowest possible setting. This produces fewer cooking vapours, so you can use a lower power level on the cooker hood and therefore benefit from reduced energy consumption.
- Check the power level on the cooker hood. A low power level is usually sufficient. Only use the Booster level when necessary.
- When a large volume of cooking vapours are being produced, switch to a high power level in good time. This is more efficient than operating the cooker hood for longer to try to capture cooking vapours which have already been distributed throughout the kitchen.
- Switch the cooker hood off after cooking.
- Clean or replace the filters at regular intervals. Heavily soiled filters reduce performance, increase the risk of fire and are unhygienic.

Disposing of the packaging material

The packaging material is used for handling and protects the appliance from transport damage.

Recycling the packaging material reduces the use of raw materials. Use material-specific collection points for valuable materials and take advantage of return options. Your Miele dealer will take the packaging material away.

Disposing of your old appliance

Electrical and electronic appliances contain many valuable materials. They also contain certain materials, compounds and components which were essential for their correct functioning and safety. These could be hazardous to human health and to the environment if disposed of with household waste or if handled incorrectly. Please do not, therefore, dispose of your old appliance with household waste.

Instead, please make use of officially designated collection and disposal points to dispose of and recycle electrical and electronic appliances in your local community, with your dealer or with Miele, free of charge. By law, you are solely responsible for deleting any personal data from the old appliance prior to disposal. You are legally obliged

to remove any old batteries which are not securely enclosed by the appliance and to remove any lamps without destroying them, where this is possible. These must be taken to a suitable collection point where they can be handed in free of charge. Please ensure that your old appliance poses no risk to children while being stored for disposal.

Safety notes for installation

⚠ Risk of damage from incorrect installation.

Incorrect installation can cause damage to the hob.

The hob must only be installed by a qualified specialist.

⚠ Risk of electric shock from mains voltage.

Incorrect connection to the mains supply may result in an electric shock.

The hob must be connected to the electrical supply by a qualified electrician only.

⚠ Damage from falling objects.

Take care not to damage the hob when fitting wall units or a cooker hood above it.

Fit the wall units and the cooker hood before the hob.

Dismantling the hob for service purposes may damage the sealing strip underneath the edge of the hob.

Always replace the sealing strip before reinstalling.

▶ The hob must not be installed over refrigeration appliances, dishwashers, washing machines, washer-dryers or tumble dryers.

▶ This hob may only be installed above a cooker or oven if they have a built-in cooling fan.

▶ A gas hob must not be installed next to this hob.

▶ Ensure that the mains connection cable cannot be touched after the hob has been installed.

▶ After installation, the mains connection cable of the hob must not come into contact with any moving kitchen components (such as a drawer) or be subject to mechanical loads.

▶ The veneers or laminate coatings of worktops must be treated with 100 °C heat-resistant adhesive so they do not come loose or warp. Any wall strips must be of heat-resistant material.

▶ The crossbeams in front of the top area of the housing unit rear wall must be removed for installation.

▶ The hob must be installed such that the drip tray and the cleaning flap are easily accessible and can be removed for cleaning.

▶ The air duct is laid behind the housing unit rear wall. The rear wall must be removable for maintenance purposes.

▶ The minimum plinth height is:

- Extraction mode: no minimum plinth height required
- Guided recirculation mode: 100 mm
- Plug & Play mode: 25 mm

▶ The exhaust air drawn into the vapour extraction may only be routed through the base unit and back into the room in Plug&Play mode. In extraction mode and in guided recirculation mode, the exhaust air must be routed outside through ducting (extraction mode) or back into the room through the recirculation box (guided recirculation mode).

▶ Remember to maintain the minimum safety distances (see “Installation – Safety distances”).

Additional safety notes for extraction mode

▶ The appliance must not be connected to a chimney or flue which is in use. Neither should it be connected to ducting which ventilates rooms with fireplaces.

▶ If exhaust air is to be extracted into a chimney or ventilation duct no longer used for other purposes, seek professional advice.

▶ Exhaust ducting must be of non-inflammable material. Suitable material is available from Miele specialist dealers or the Miele Spares Dept.

Additional safety notes for Plug & Play mode

U value

Plug&Play operation is possible in younger or renovated buildings. If the adjacent wall or the floor is in contact with the ground or the outside air, it must have a heat transfer coefficient (U value) of ≤ 0.5 W/(m²K).

Material	Material thickness	U value (as of 1995)
Solid wall (vertical coring brick, floating brick or comparable porous or highly perforated materials)	≥ 30 cm	0.5
Solid timber wall (e.g. log cabin/prefabricated house). Timber frame or timber panel wall with insulating filling	–	0.4
Passive house (KfW 55, 40, 40 Plus)	–	0.15–0.2

The U values for other materials can be found on the websites of the German Federal Ministry for Economic Affairs and Climate Action and the German Federal Ministry of the Interior and Community.

If you have any other questions about your building, please contact a construction expert or energy adviser.

▶ The cross-section of the ventilation opening must be at least 425 cm².

If ventilation grilles are to be inserted into the ventilation gaps, the ventilation gaps must be larger than 425 cm². The unobstructed airflow of 425 cm² is calculated by adding up the total area of ventilation openings in the grilles.

The ventilation gaps must not be covered or blocked in any way. They must also be regularly dusted.

▶ The Plug&Play adapter included with the hob is required for operation in Plug&Play mode.

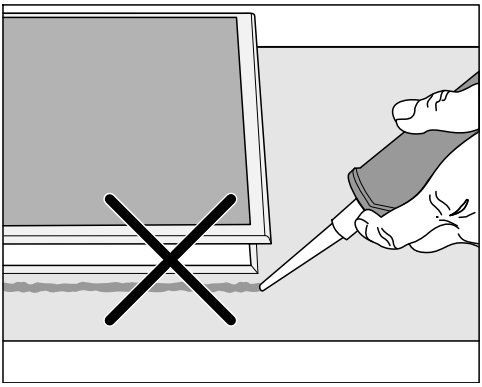
▶ A template is required when installing the hob.

⚠ Risk of damage to the refrigeration appliance caused by vapours.

Vapours from the hob behind the refrigeration appliance can damage the refrigeration appliance.

Do not install appliances that discharge air or vapours directly behind the refrigeration appliance. Provide a separate air guide or install a partition wall between the appliances.

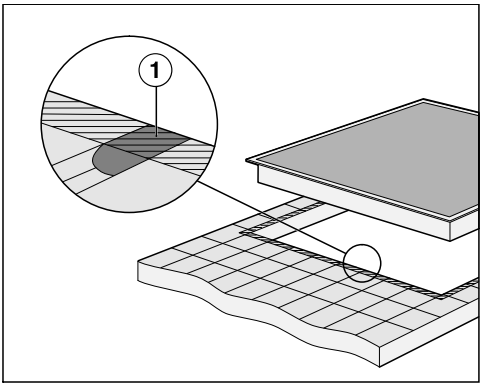
Additional safety notes for surface-mounted installation



⚠ Damage caused by incorrect installation.

Using sealant under the hob could result in damage to the hob and the worktop if the hob ever needs to be removed.

Do not use sealant between the hob and the worktop. The sealing strip under the edge of the hob provides a sufficient seal for the worktop.



▶ Grout lines ① and the hatched area underneath the hob frame must be smooth and even. If they are not, the hob will not sit flush with the worktop and the sealing strip underneath the hob will not provide a good seal between the hob and the worktop.

Additional safety notes for flush-fit installation

⚠ Damage caused by using an unsuitable sealant.

Unsuitable sealant can damage natural stone.

For natural stone worktops and natural stone tiles, only use silicone sealant that is temperature-resistant (min. 160 °C) and specially formulated for natural stone. Follow the manufacturer's instructions.

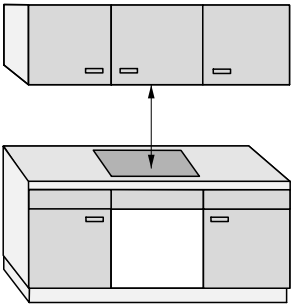
▶ The internal width of the base unit underneath the appliance must be at least as wide as the inner worktop cut-out (see "Installation – Installation dimensions for flush-fit installation"), so that the hob is easily accessible from underneath after installation and the casing can be removed for maintenance. If the underside of the hob is not freely accessible after installation, any sealant used must be removed to enable the hob to be lifted out of the cut-out should this be necessary.

▶ A flush-fit hob is suitable only for installation in natural stone (granite, marble), solid wood and tiled worktops. When using a worktop made from any other material, please check first with the worktop manufacturer that the material is suitable for installing a flush-fit hob.

- Natural stone worktops: the hob is set directly in the cut-out.
- Solid wood worktops, tiled worktops: the hob is secured inside the cut-out with wooden battens. The battens must be provided on site and are not included in the scope of delivery.

Safety distances

Safety distance above the hob



The following must be ensured between the hob and the cooker hood above it:

- The safety distance specified by the manufacturer of the cooker hood must be maintained.
- When two or more appliances which have different safety distances are installed together below a cooker hood, the greatest specified safety distance must be maintained.

If combustible objects are installed above the hob (e.g. cabinets, utensil rail, etc.), a minimum safety distance of 500 mm must be maintained.

Installation

Safety distance behind and to the side of the hob

The minimum safety distances shown below must be maintained between the appliance and a tall unit or wall:

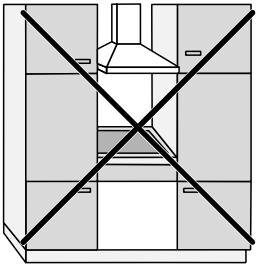
- Between the **back** ① of the worktop cut-out and the rear edge of the worktop:
  50 mm

  and

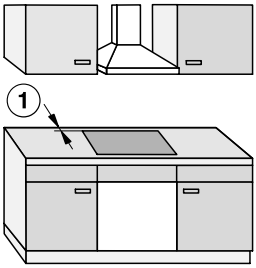
- On the **right side** ② between the worktop cut-out and the closest adjacent piece of furniture (e.g. tall unit) or a room wall:
  50 mm and on the opposite side a minimum safety distance of 200 mm

  or

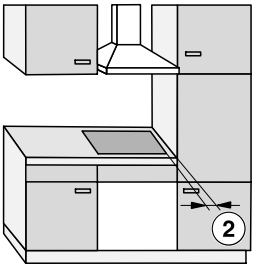
- On the **left side** ③ between the worktop cut-out and the closest adjacent piece of furniture (e.g. tall unit) or a room wall:
  50 mm and on the opposite side a minimum safety distance of 200 mm



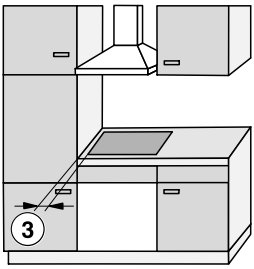
Not permitted



Highly recommended



Not recommended

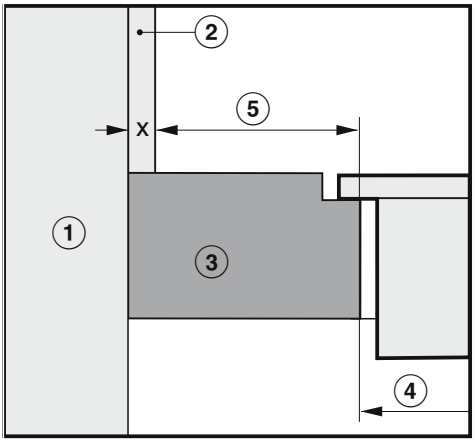


Not recommended

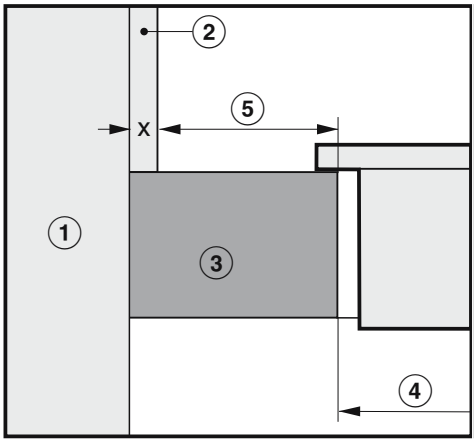
Minimum safety distance from the niche cladding

If niche cladding is installed, a minimum safety distance must be maintained between the worktop cut-out and the cladding. High temperatures can alter or damage these materials.

Flush-fit installation



Surface-mounted installation



① Masonry

② Dimension x = thickness of the niche cladding material

③ Worktop

④ Worktop cut-out

⑤ Minimum safety distance to
combustible materials (e.g. wood)
non-combustible materials (e.g. metal, natural stone, ceramic tiles)

	Side		Opposite side	
Material	**Combust-ible**	**Non-combustible**	**Combust-ible**	**Non-combustible**
Back	50 mm	50 mm – dimen-sion x	–	–
Right	50 mm	50 mm – dimen-sion x	200 mm	200 mm – dimen-sion x
Left	50 mm	50 mm – dimen-sion x	200 mm	200 mm – dimen-sion x

See “Installation – Safety distances”

Example: 15 mm thick non-combustible niche cladding
50 mm minus 15 mm = minimum safety distance of 35 mm

Operating options

All operating modes listed in the table are possible with all KMDAs featured in these operating instructions.

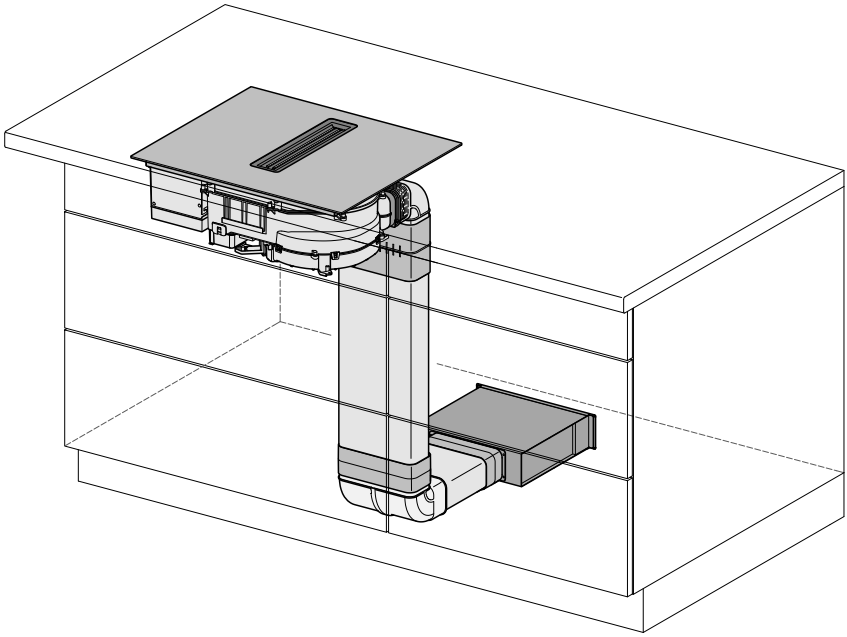
Depending on the operating mode and the installation situation, further accessories and a change to the factory default settings may be necessary.

Operating mode	Further accessories	Adjust factory defaults
Extraction mode	✓	✓
Guided recirculation mode	✓	●
Plug & Play mode	●	●

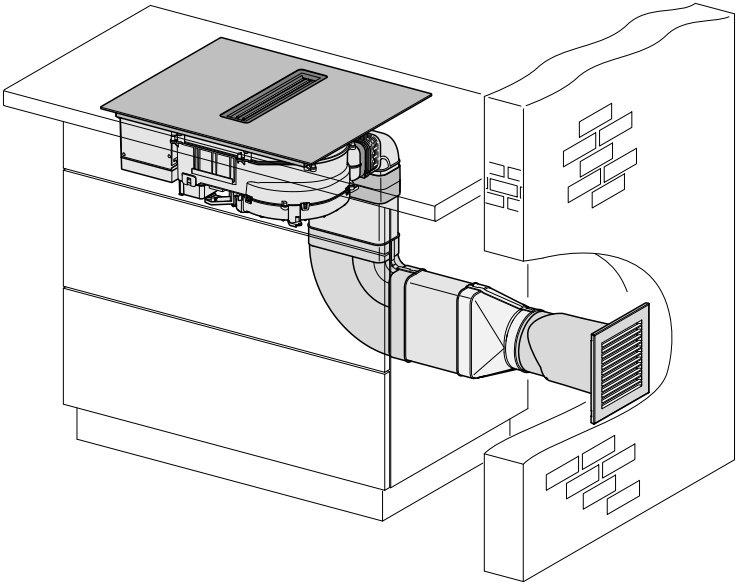
✓ Necessary
● Not necessary

Installation examples

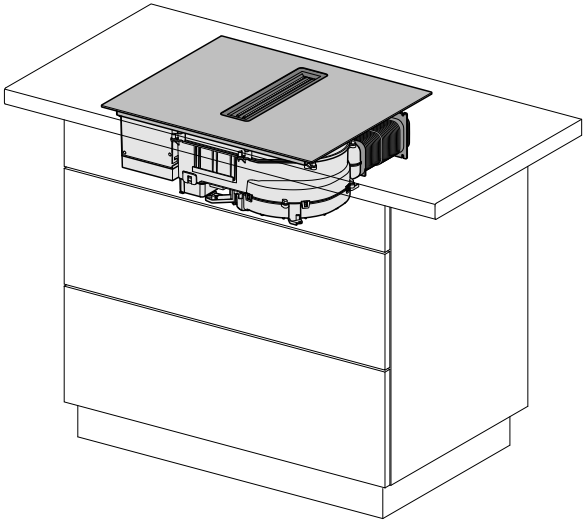
Guided recirculation mode



Extraction mode

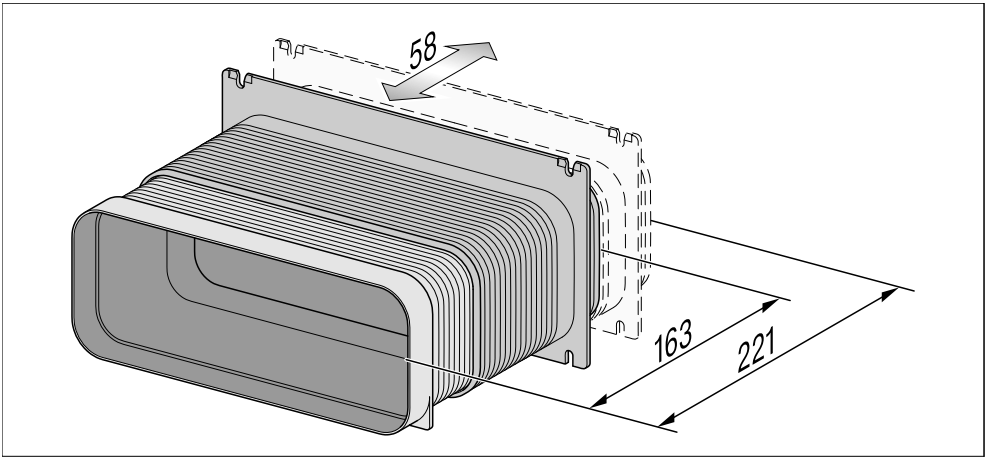


Plug & Play mode



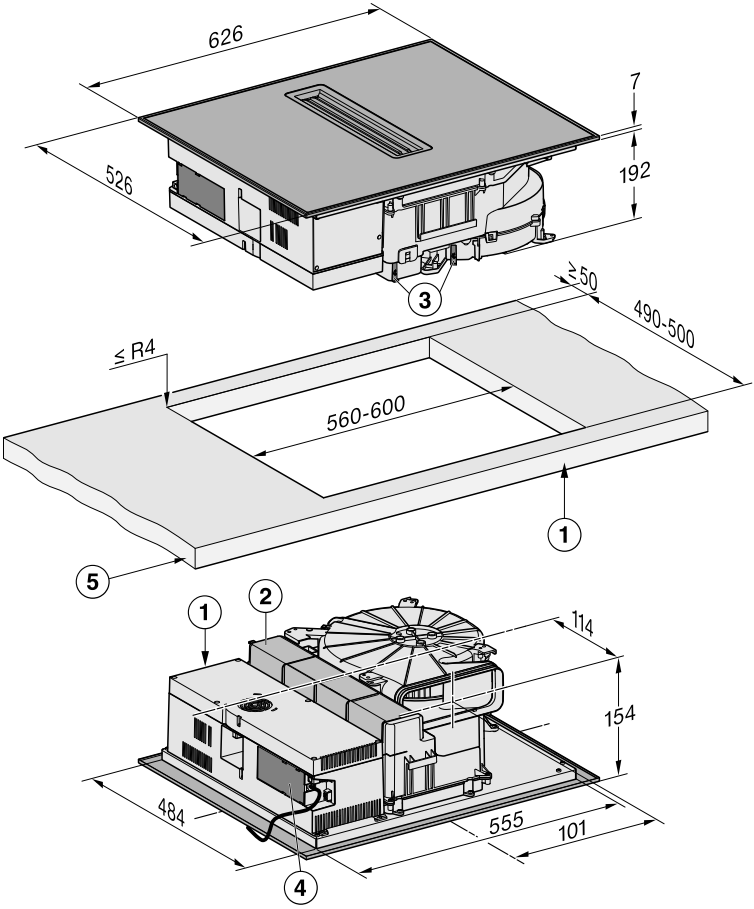
Installation

Plug & Play adapter dimensions



Installation dimensions for surface-mounted installation

KMDA 5649 FR



All dimensions are given in mm.

① Front

② Removable drip tray

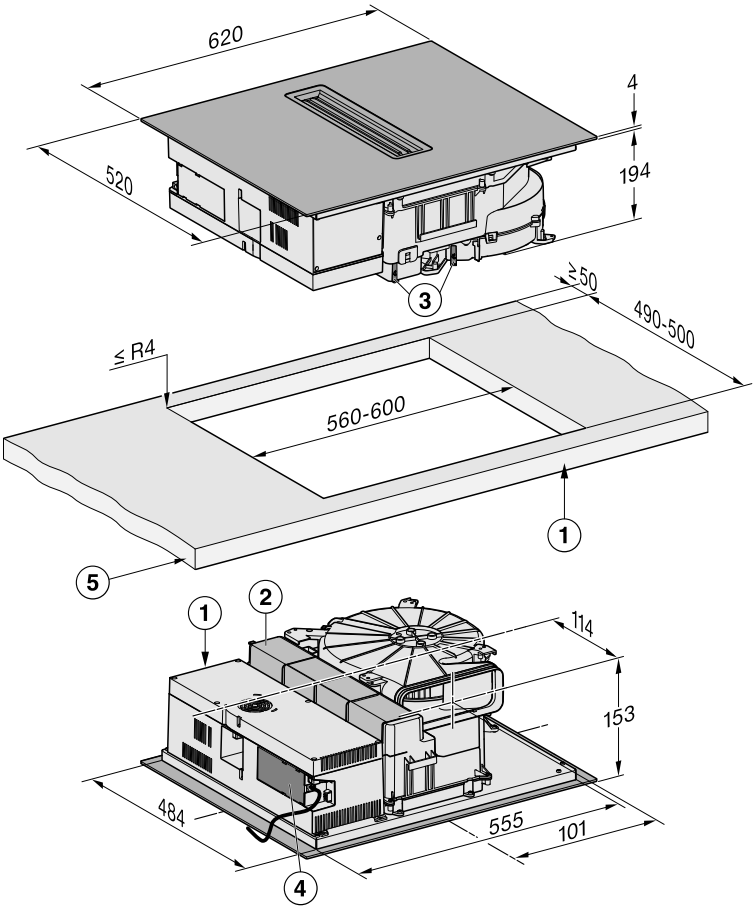
③ Cleaning flap

④ Mains connection box with mains connection cable
Mains connection cable L = 1.080 mm

⑤ Worktop thickness
Extraction and guided recirculation mode: ≥10 mm
Plug&Play mode: ≥10 mm–≤40 mm

Installation

KMDA 5649 FL, KMDA 5649 FL MattFinish



All dimensions are given in mm.

① Front

② Removable drip tray

③ Cleaning flap

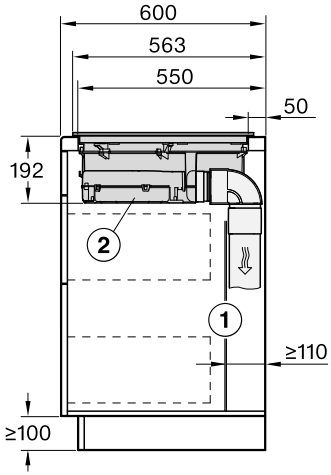
④ Mains connection box with mains connection cable
Mains connection cable L = 1.080 mm

⑤ Worktop thickness
Extraction and guided recirculation mode: ≥10 mm
Plug&Play mode: ≥10 mm–≤40 mm

Extraction and guided recirculation mode

Worktop depth 600 mm

KMDA 5649 FR

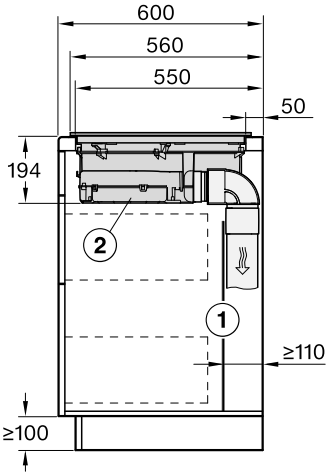


All dimensions are given in mm.

① For maintenance work it must be possible to remove the rear cabinet wall.
The cabinet wall and an adjoining room wall or a piece of furniture must be at least 110 mm apart to ensure sufficient room for the ducting.

② The removable drip tray and the cleaning flap(s) must be accessible after installation.

KMDA 5649 FL,
KMDA 5649 FL MattFinish



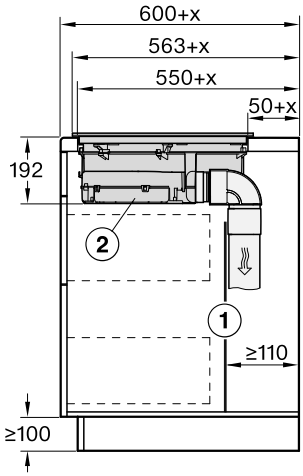
All dimensions are given in mm.

① For maintenance work it must be possible to remove the rear cabinet wall.
The cabinet wall and an adjoining room wall or a piece of furniture must be at least 110 mm apart to ensure sufficient room for the ducting.

② The removable drip tray and the cleaning flap(s) must be accessible after installation.

Worktop depth greater than 600 mm

KMDA 5649 FR



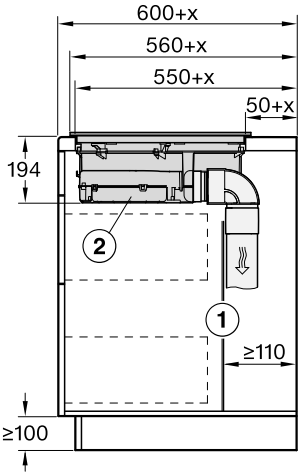
All dimensions are given in mm.

① For maintenance work it must be possible to remove the rear cabinet wall.
The cabinet wall and an adjoining room wall or a piece of furniture must be at least 110 mm apart to ensure sufficient room for the ducting.

② The removable drip tray and the cleaning flap(s) must be accessible after installation.

x Dimension of which the worktop is deeper than 600 mm.

KMDA 5649 FL, KMDA 5649 FL MattFinish



All dimensions are given in mm.

① For maintenance work it must be possible to remove the rear cabinet wall.
The cabinet wall and an adjoining room wall or a piece of furniture must be at least 110 mm apart to ensure sufficient room for the ducting.

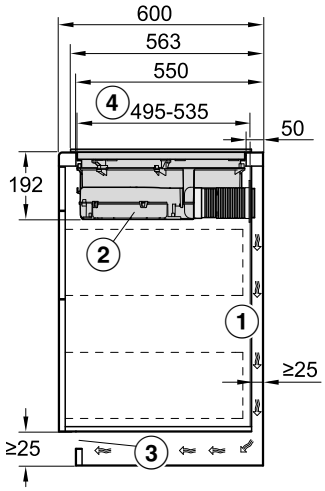
② The removable drip tray and the cleaning flap(s) must be accessible after installation.

x Dimension of which the worktop is deeper than 600 mm.

Plug&Play mode

Worktop depth 600 mm

KMDA 5649 FR



All dimensions are given in mm.

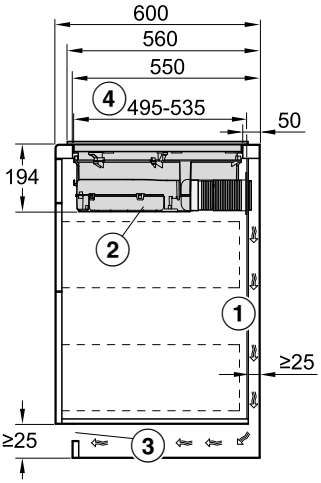
① The housing unit wall and an adjoining room wall or a piece of furniture must be at least 25 mm apart to ensure sufficient room for the exhaust air ducting.

② The removable drip tray and the cleaning flap(s) must be accessible after installation.

③ The cross-section of the ventilation opening must be at least 425 cm².

④ Distance from front of casing to end of Plug & Play adapter

KMDA 5649 FL,
KMDA 5649 FL MattFinish



All dimensions are given in mm.

① The housing unit wall and an adjoining room wall or a piece of furniture must be at least 25 mm apart to ensure sufficient room for the exhaust air ducting.

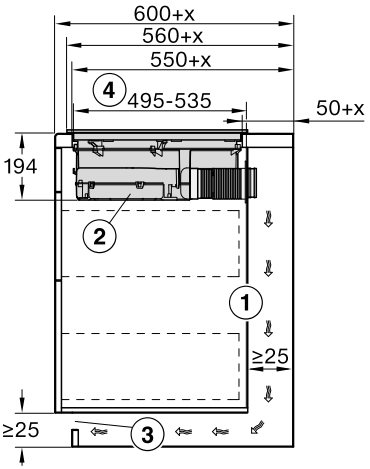
② The removable drip tray and the cleaning flap(s) must be accessible after installation.

③ The cross-section of the ventilation opening must be at least 425 cm².

④ Distance from front of casing to end of Plug & Play adapter

Worktop depth greater than 600 mm

KMDA 5649 FL,
KMDA 5649 FL MattFinish



All dimensions are given in mm.

① The housing unit wall and an adjoining room wall or a piece of furniture must be at least 25 mm apart to ensure sufficient room for the exhaust air ducting.
If the housing unit rear wall is > 555 mm away from the front of the worktop, the Plug&Play adapter must be combined with an expansion set from Miele.

② The removable drip tray and the cleaning flap(s) must be accessible after installation.

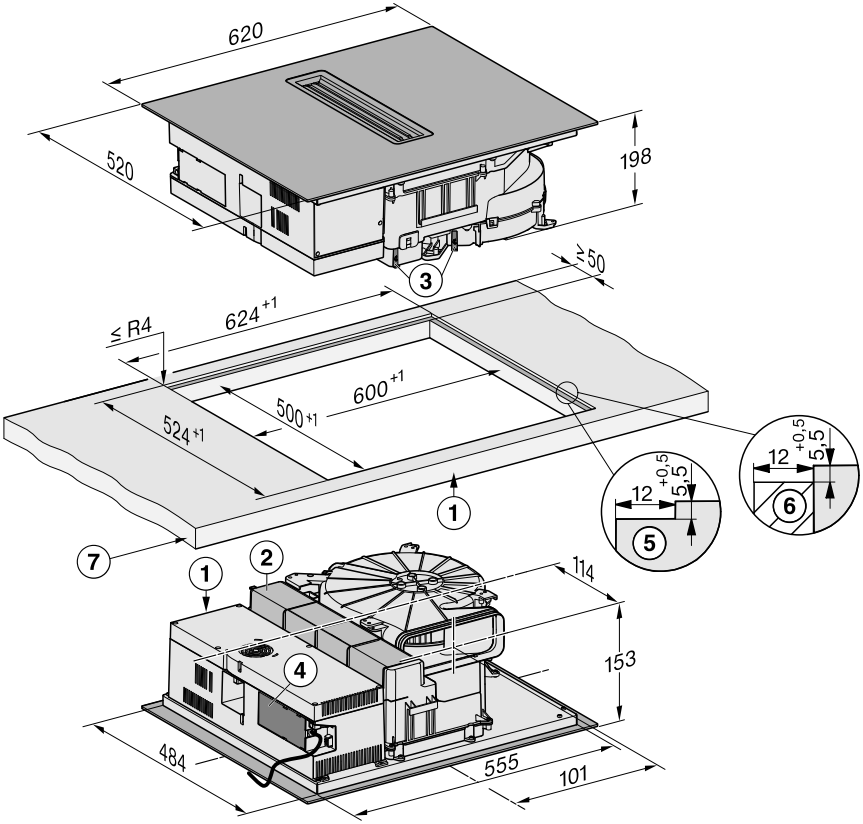
③ The cross-section of the ventilation opening must be at least 425 cm².

④ Distance from front of casing to end of Plug & Play adapter

x Dimension of which the worktop is deeper than 600 mm.

Installation dimensions for flush-fit installation

KMDA 5649 FL, KMDA 5649 FL MattFinish



All dimensions are given in mm. The dimensions shown in brackets are recommendations.

① Front

② Removable drip tray

③ Cleaning flap

④ Mains connection box with mains connection cable
Mains connection cable L = 1.080 mm

⑤ Stepped cut-out, natural stone worktop

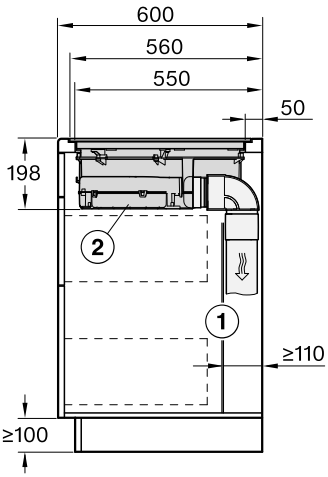
⑥ Wooden batten 12 mm (accessories not included)

⑦ Worktop thickness
Extraction and guided recirculation mode: ≥10 mm
Plug&Play mode: ≥10 mm–≤40 mm

Extraction and guided recirculation mode

Worktop depth 600 mm

KMDA 5649 FL, KMDA 5649 FL MattFinish



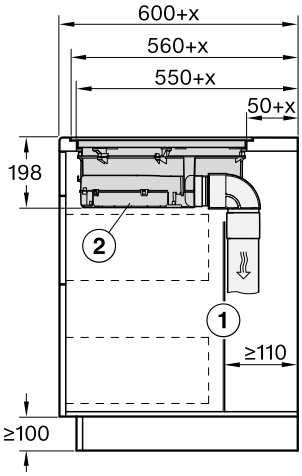
All dimensions are given in mm.

① For maintenance work it must be possible to remove the rear cabinet wall.
The cabinet wall and an adjoining room wall or a piece of furniture must be at least 110 mm apart to ensure sufficient room for the ducting.

② The removable drip tray and the cleaning flap(s) must be accessible after installation.

Worktop depth greater than 600 mm

KMDA 5649 FL, KMDA 5649 FL MattFinish



All dimensions are given in mm.

① For maintenance work it must be possible to remove the rear cabinet wall.
The cabinet wall and an adjoining room wall or a piece of furniture must be at least 110 mm apart to ensure sufficient room for the ducting.

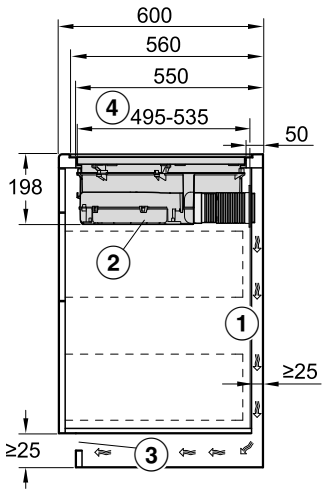
② The removable drip tray and the cleaning flap(s) must be accessible after installation.

x Dimension of which the worktop is deeper than 600 mm.

Plug&Play mode

Worktop depth 600 mm

KMDA 5649 FL,
KMDA 5649 FL MattFinish



All dimensions are given in mm.

① The housing unit wall and an adjoining room wall or a piece of furniture must be at least 25 mm apart to ensure sufficient room for the exhaust air ducting.

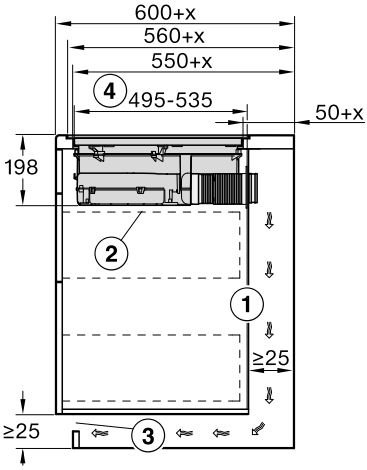
② The removable drip tray and the cleaning flap(s) must be accessible after installation.

③ The cross-section of the ventilation opening must be at least 425 cm².

④ Distance from front of casing to end of Plug & Play adapter

Worktop depth greater than 600 mm

KMDA 5649 FL,
KMDA 5649 FL MattFinish



All dimensions are given in mm.

① The housing unit wall and an adjoining room wall or a piece of furniture must be at least 25 mm apart to ensure sufficient room for the exhaust air ducting.
If the housing unit rear wall is > 555 mm away from the front of the worktop, the Plug&Play adapter must be combined with an expansion set from Miele.

② The removable drip tray and the cleaning flap(s) must be accessible after installation.

③ The cross-section of the ventilation opening must be at least 425 cm².

④ Distance from front of casing to end of Plug & Play adapter

x Dimension of which the worktop is deeper than 600 mm.

Connection to window contact, if required

⚠ The window contact connection is live.

Danger of electric shock.

Disconnect the hob from the mains power supply before connecting the switching system.

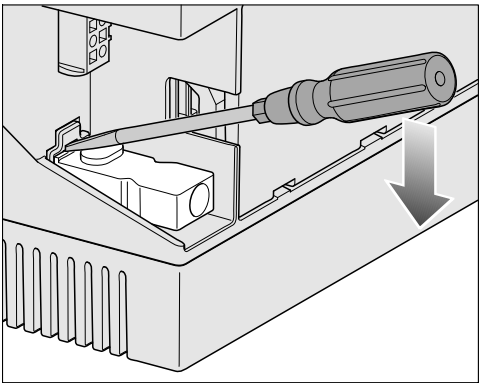
The mains connection cable for the switching system must only be connected by a suitably qualified electrician.

The mains connection cable for the switching system must comply with type H03VV-F 2 x 0.75 mm^2 and must not exceed 2.0 m in length.

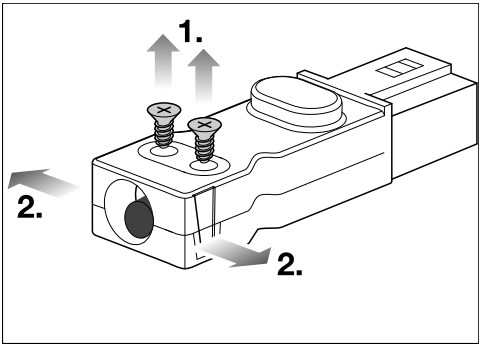
The switching system must be equipped with a potential-free contact suitable for 230 V, 1 A. The cooker hood is switched off when the switch is open.

Only use DIBt-approved and tested radio switching systems (e.g. window contact switches, pressure switches) and have them approved by authorised specialists (e.g. building regulations inspector).

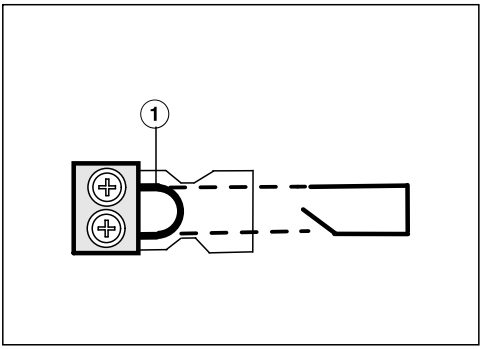
You will need the appropriate external switching system documents to safely connect and operate the switch.



- Loosen the retainer and pull the plug out.



- Loosen the strain relief screws ① and unlock the casing on both sides ②.
- Open the casing.
- Remove the stopper.



- Exchange the bridge ① for the mains connection cable of the switching system.
- Close the casing.
- Tighten the strain relief screw.
- Reinsert the plug.

Installing a surface-mounted hob with extraction and guided recirculation mode

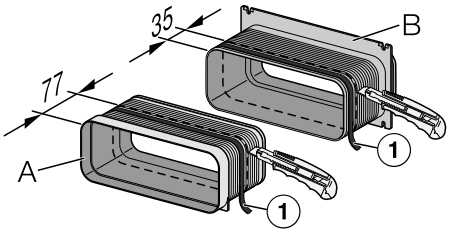
Preparing the worktop for surface-mounted installation in extraction and guided recirculation mode

- Remember to maintain the minimum safety distances.
- Create the worktop cut-out.
- Wooden worktops:
  Seal any cut surfaces with a special varnish, silicone sealant or resin to prevent the wood from swelling as a result of moisture ingress. The sealant must be heat-resistant.

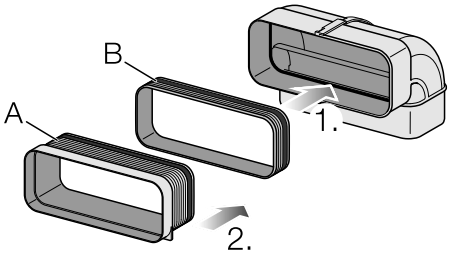
Make sure that the sealant does not come into contact with the surface of the worktop.

Installing a surface-mounted hob with extraction and guided recirculation mode

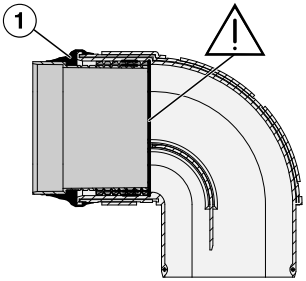
- Attach the sealing strip provided underneath the edge of the hob. Do not apply the sealing strip under tension.
- Feed the mains connection cable for the hob down through the worktop cut-out.
- Place the hob centrally in the cut-out. When doing this, make sure that the seal of the appliance sits flush with the worktop on all sides. This is important to ensure effective sealing all round.
- If the seal does not sit flush with the worktop in the corners, the corner radius (≤ R4) can be carefully cut to fit using a jigsaw.



- Cut 77 mm off the rear section of adapter A and 35 mm off the front section of adapter B.
- Wrap sealing tape (①) around the end of the front section of adapter A and around the cut-off section of adapter B.



- 1. Insert the cut-off section of adapter B into the air duct.
- 2. Insert adapter A into the cut-off section of adapter B.



- Wrap sealing tape (①) around the end of the duct.
- Fit the duct to the hob.
- Connect the hob to the mains power supply.
- Check that the hob is working.

Installing a surface-mounted hob with Plug & Play

Preparing the worktop for surface-mounted installation with Plug & Play

- Remember to maintain the minimum safety distances.
- Create the worktop cut-out.
- Cut the top of the drilling template to the thickness of your worktop. Place drilling template 2 on top of the cabinet rear panel. Use the drilling template to create a cut-out for the Plug & Play adapter.
- If you do not have a drilling template, see “Installation – Rear panel cut-out without drilling template”.
- Wooden worktops:
  Seal any cut surfaces with a special varnish, silicone sealant or resin to prevent the wood from swelling as a result of moisture ingress. The sealant must be heat-resistant.

Make sure that the sealant does not come into contact with the surface of the worktop.

Installing a surface-mounted hob with Plug & Play

- Attach the sealing strip provided underneath the edge of the hob. Do not apply the sealing strip under tension.

The Plug & Play adapter may break off.
When placing the hob on the worktop, make sure that it is not placed on top of the Plug & Play adapter.

- Connect the Plug & Play adapter to the hob and set the adapter position.
- Feed the mains connection cable for the hob down through the worktop cut-out.
- Remove the protective foil from the adhesive tape at the end of the Plug & Play adapter.
- Place the hob centrally in the cut-out. When doing this, make sure that the seal of the appliance sits flush with the worktop on all sides. This is important to ensure effective sealing all round.
- If the seal does not sit flush with the worktop in the corners, the corner radius (≤ R4) can be carefully cut to fit using a jigsaw.
- Align the Plug & Play adapter with the predrilled hole. Press the adapter onto the rear panel until it sticks in place.
- Connect the hob to the mains power supply.
- Check that the hob is working.

Installing a flush-fit hob with extraction and guided recirculation mode

Preparing the worktop for flush-fit installation in extraction and guided recirculation mode

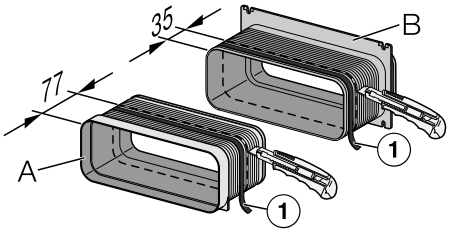
- Remember to maintain the minimum safety distances.
- Create the worktop cut-out.
- Solid wood and tiled worktops:
  Secure the wooden frame 5,5 mm below the top edge of the worktop.

Installing a flush-fit hob with extraction and guided recirculation mode

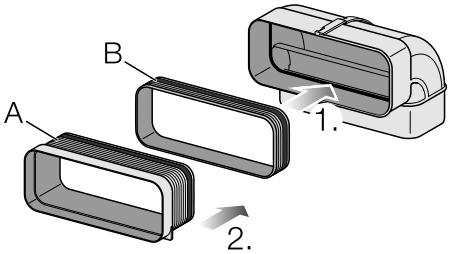
- Attach the sealing strip provided underneath the edge of the hob. Do not apply the sealing strip under tension.
- Feed the mains connection cable for the hob down through the worktop cut-out.

The gap between the ceramic surface and the worktop must be at least 2 mm wide. This is required so that the hob can be sealed.

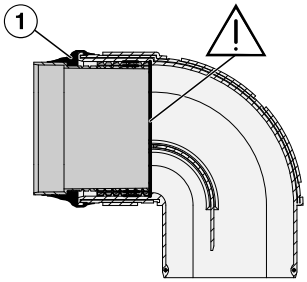
- Centre the hob in the cut-out.



- Cut 77 mm off the rear section of adapter A and 35 mm off the front section of adapter B.
- Wrap sealing tape (①) around the end of the front section of adapter A and around the cut-off section of adapter B.



- 1. Insert the cut-off section of adapter B into the air duct.
- 2. Insert adapter A into the cut-off section of adapter B.



- Wrap sealing tape (①) around the end of the duct.
- Fit the duct to the hob.
- Connect the hob to the mains power supply.
- Check that the hob is working.
- Seal the gap between the hob and worktop with a silicone sealant that is heat-resistant to at least 160 °C.

Installing a flush-fit hob with Plug & Play

Preparing the worktop for flush-fit installation with Plug & Play

- Remember to maintain the minimum safety distances.
- Create the worktop cut-out.
- Cut the top of the drilling template to the thickness of your worktop. Place drilling template 1 on top of the cabinet rear panel. Use the drilling template to create a cut-out for the Plug & Play adapter.
- If you do not have a drilling template, see “Installation – Rear panel cut-out without drilling template”.
- Solid wood and tiled worktops:
  Secure the wooden frame 5,5 mm below the top edge of the worktop.

Installing a flush-fit hob with Plug & Play

- Attach the sealing strip provided underneath the edge of the hob. Do not apply the sealing strip under tension.

The Plug & Play adapter may break off.
When placing the hob on the worktop, make sure that it is not placed on top of the Plug & Play adapter.

- Connect the Plug & Play adapter to the hob and set the adapter position.
- Feed the mains connection cable for the hob down through the worktop cut-out.

- Plug & Play mode: remove the protective foil from the adhesive tape at the end of the Plug & Play adapter.
- Centre the hob in the cut-out.

The gap between the ceramic glass surface and the worktop must be at least 2 mm wide. This is required so that the hob can be sealed.

- Align the Plug & Play adapter with the predrilled hole. Press the adapter onto the rear panel until it sticks in place.
- Connect the hob to the mains power supply.
- Check that the hob is working.
- Seal the gap between the hob and worktop with a silicone sealant that is heat-resistant to at least 160 °C.

Installing exhaust ducting

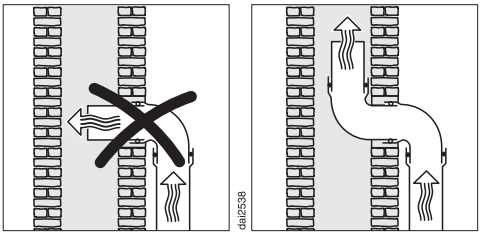
⚠ If the vapour extraction is used at the same time as a heating appliance that relies on oxygen from the same room, there is a risk of toxic fumes.
It is essential that the “Warnings and safety notes” are observed.
The vapour extraction should be installed according to local and national building regulations. Seek approval from the building regulations inspector where necessary.

Remember that any constriction of the air flow will reduce air throughput and increase operating noise.

The vapour extraction has an exhaust duct with the following dimensions: 222 x 88 mm.

- Only use smooth pipes or flexible exhaust hoses made from non-flammable materials for exhaust ducting.
- To achieve the most efficient air throughput with the lowest noise levels, please note the following:

- The cross-section of the exhaust ducting must not be smaller than the cross-section of the exhaust duct (see the appliance dimensions).
- The ducting should be as short and straight as possible.
- Only use wide radius bends.
- The exhaust ducting must not be kinked or compressed.
- Ensure that all connections are strong and airtight.



- If the exhaust air is to be ducted into a flue, the ducting must be directed in the flow direction of the flue.
- If ducting is to be laid horizontally it must be laid with a downwards sloping gradient. This is to ensure that condensate cannot drain back into the fan.
- If the ducting is to run through cool rooms, ceiling space, etc., there may be great variations in temperature between the different areas. The problem of condensation will need to be addressed. The ducting will need to be suitably insulated.

Rear wall cut-out without drilling template

Creating the rear panel cut-out with surface-mounted installation and an installation distance (vertical) between the top of the appliance and the lowest point of the Plug & Play adapter of 200 mm

Ideally, the drilling template supplied with the appliance should be used. The following instructions should only be used if the drilling template is not available.

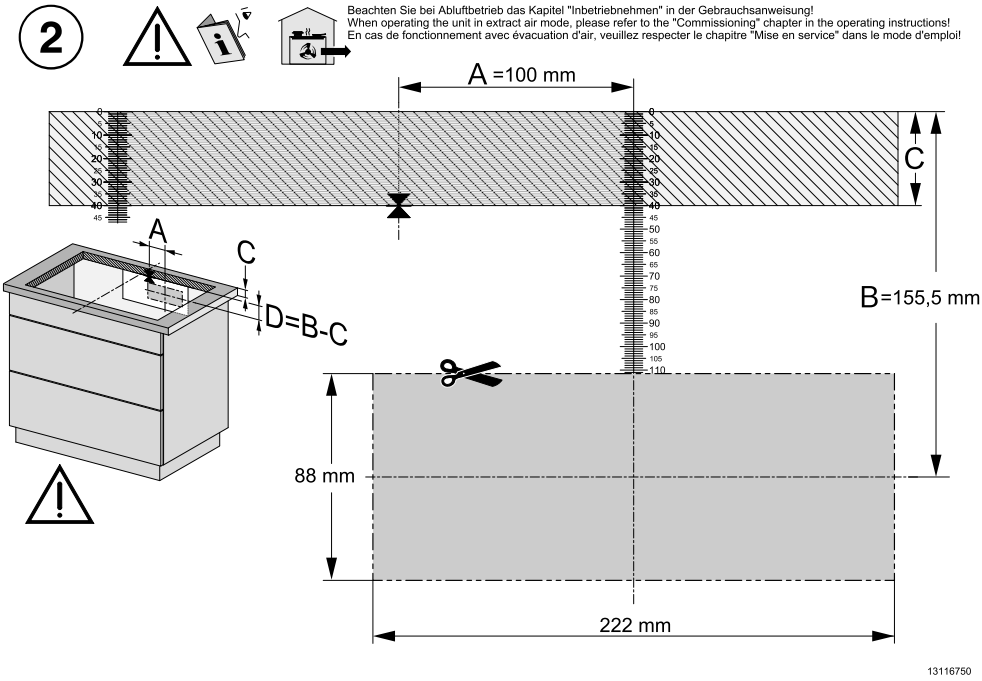


Image of drilling template, side 2. Not to scale.

- Measure the thickness of the worktop (C).
- Locate the centre of the long axis of the cut-out.
- Mark the point that is 100 mm (A) to the right of the midpoint.
- Mark the point (D) that is (B [155,5 mm] – C [thickness of the worktop]) below the right end of distance A.
- Create a cut-out around the area using the following measurements: 222 x 88.
- Plug & Play mode only: engage the Plug & Play adapter in position 2.

Installation

Creating the rear panel cut-out with flush-fit installation and an installation distance (vertical) between the top of the appliance and the lowest point of the Plug & Play adapter of 200 mm

Ideally, the drilling template supplied with the appliance should be used. The following instructions should only be used if the drilling template is not available.

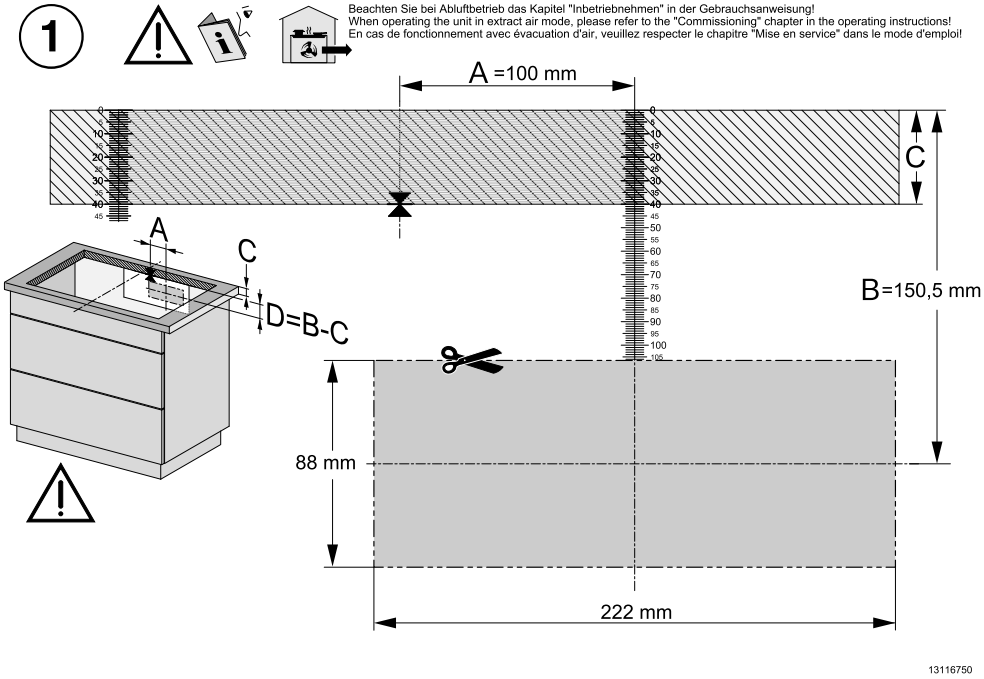


Image of drilling template, side 1. Not to scale.

- Measure the thickness of the worktop (C).
- Locate the centre of the long axis of the cut-out.
- Mark the point that is 100 mm (A) to the right of the midpoint.
- Mark the point (D) that is (B [150,5 mm] – C [thickness of the worktop]) below the right end of distance A.
- Create a cut-out around the area using the following measurements: 222 x 88.
- Plug & Play mode only: engage the Plug & Play adapter in position 1.

Electrical connection

⚠ Risk of damage from incorrect connection.
Unauthorised installation, maintenance and repairs can cause considerable danger for the user.
Miele cannot be held liable for damage or injury caused by unauthorised installation, maintenance or repair work, or by an inadequate or faulty on-site earthing system (e.g. electric shock).
This hob must be connected to the mains power supply by a qualified electrician.
The qualified electrician must be familiar with and comply with the national regulations and any additional regulations of the local electricity provider.
After installation, ensure that all electrical components are shielded and cannot be accessed by users.

Total power rating

See data plate

Connection data

The connection data is quoted on the data plate. Please ensure these match the household mains supply.

Please see wiring diagrams for connection. (N.B. This appliance is supplied single phase only in the UK / AUS / NZ).

Residual current device

For extra safety, it is advisable to protect the hob with a suitable residual current device (RCD) with a trip range of 30 mA.

Disconnecting devices

It must be possible to disconnect the hob from the mains at all poles using disconnecting devices. A contact distance of at least 3 mm must be observed in the switched-off state. The disconnecting devices include overcurrent protection devices and residual current protection devices.

Disconnecting from the mains

⚠ Risk of electric shock from mains voltage.
There is a risk of electric shock if the appliance is reconnected to the mains voltage supply during repair or service work.
After disconnection, ensure the appliance cannot be switched back on by mistake.

To disconnect the appliance from the mains power supply, do one of the following depending on installation:

Fine-wire fuses

- Completely remove the fuse links from the screw caps.

Automatic circuit breakers

- Press the test button (red) until the middle button (black) springs out.

Built-in circuit breakers

- For circuit breakers of at least type B or C, switch the lever from 1 (on) to 0 (off).

Residual current device

- Residual current device: switch the main switch from 1 (on) to 0 (off) or press the test button.

Mains connection cable

The hob must be connected to the electrical supply with a special connection cable, type H 05 VV-F (PVC insulated) with a suitable diameter.

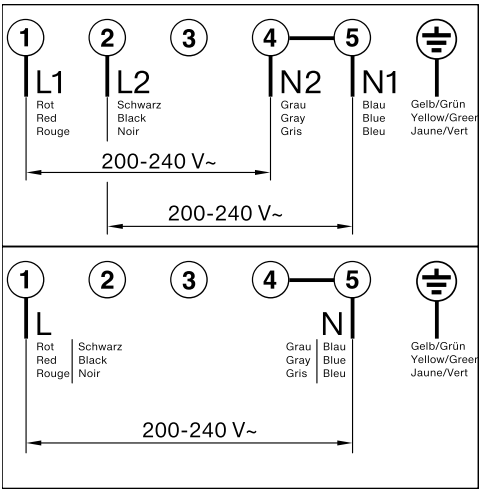
Please see wiring diagrams for connection.

See the data plate on the hob for the correct voltage and rated load.

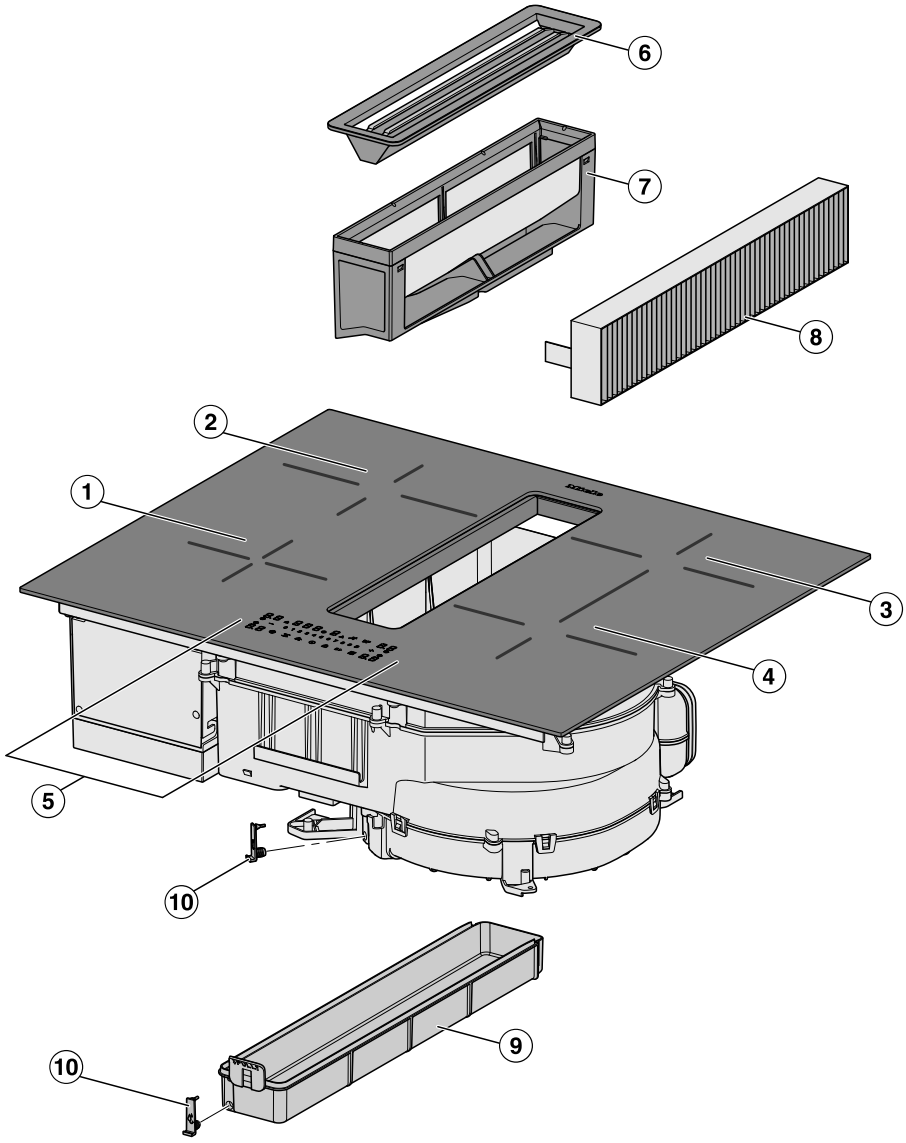
Wiring diagram

Some connection methods are not permitted in all installation locations.

Ensure compliance with national regulations and any additional regulations issued by the local electricity provider.



Your hob



① Cooking zone with Booster function

② Cooking zone with Booster function

③ Flex cooking zone with Booster
can be combined with Flex cooking zone ④ to form Flex cooking area

④ Flex cooking zone with Booster
Can be combined with Flex cooking zone ③ to form Flex cooking area

⑤ Controls and indicators

⑥ Cover grille

⑦ Grease filter

⑧ Charcoal filter
Only required in the case of guided recirculation mode or Plug & Play mode

⑨ Removable drip tray

⑩ Cleaning flap

Features

Features will vary depending on model.

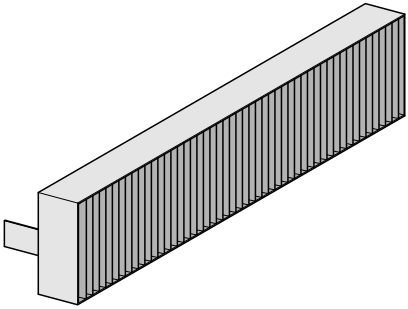
Scope of delivery

- Drilling template
- Charcoal filter
- Plug & Play adapter
- Operating and installation instructions
- Mains connection cable
- Further accessories (depending on the model)

Drilling template

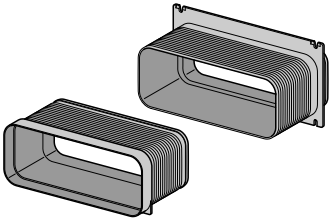
Drilling template printed on both sides, used to create the cut-out for the Plug & Play adapter with an installation distance (vertical) between the top of the appliance and the lowest point of the Plug & Play adapter of 200 mm.

Charcoal filter



The charcoal filter DKF 37-P is included 1 times with KMDA.

Plug & Play adapter



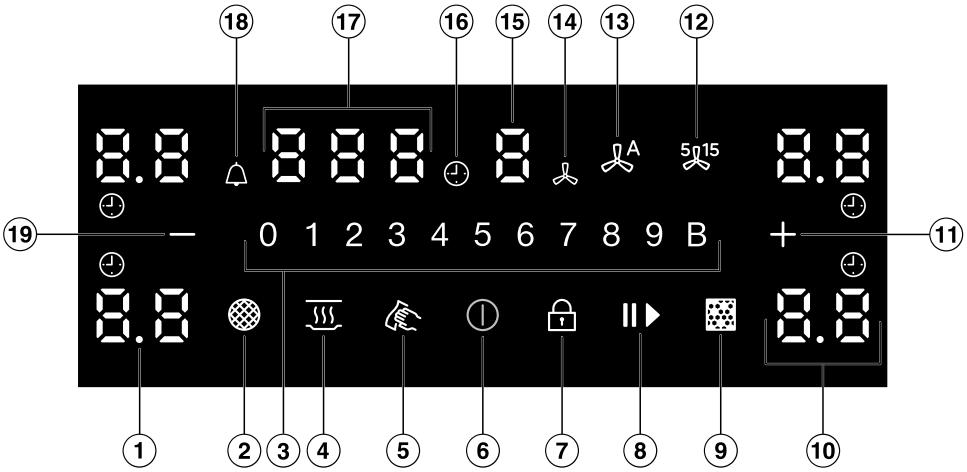
Optional accessories

Products specially tailored to your hob – such as cookware and cleaning agents – are available from the Miele online shop, Miele Customer Service or your Miele specialist dealer.

You can access the Miele online shop via the following QR code:

Familiarisation

Controls and indicators



① Separator display
Display of intermediate power levels

② *Grease filter indicator*
Grease filter must be cleaned

③ Numerical display
– To set the power level
– To set the times

④ *Keeping warm* sensor control
To activate/deactivate the Keeping warm special function

⑤ *Wipe protection* sensor control
To lock the control elements and indicators for 20 seconds

⑥ *On/Off* sensor control

⑦ *System lock/Lock* sensor control
To lock the control elements and indicators

⑧ *Stop&Go* sensor control
To stop/start a cooking process in progress

⑨ *Charcoal filter indicator*
Charcoal filter(s) must be replaced

⑩ Cooking zone display

0	Cooking zone is ready for operation
1 to 9	Power level
=	Residual heat
A	Auto heat-up
u	Cookware missing or unsuitable
b	Booster
h	Keeping warm

⑪ *Plus* + sensor control
– To change the power levels – intermediate levels
– To adjust the times
– To adjust the settings

⑫ *5 or 15 minute run-on* 5 15 sensor control

⑬ *Con@ctivity* A sensor control
For activating/deactivating the Con@ctivity function of the built-in cooker hood

⑭ *Cooker hood*

⑮ Vapour extraction display

0	The vapour extractor is ready for operation
1 to 3	Power level
b	Booster is activated
A	Con@ctivity function of integrated extractor is activated

⑯ *Auto switch off*
Indicates that the switch-off time for the/one cooking zone has been set.

⑰ Timer display

00 to 99	Duration in minutes
LOC	System lock/safety lock is activated
dE	Demo mode is activated

⑱ *Minute minder*

⑲ *Minus* – sensor control
– To change the power levels – intermediate levels
– To adjust the times

Cooking zone data

Cooking zone	Size in cm[1]		Max. rating in watts for 230 V[2]		Linked cooking zone[3]
	Ø	▭			
①	12–16	–	Normal Booster	1200 1500	②
②	14–21	–	Normal Booster	2000 2600	①
③	14–21	14 x 14 – 21 x 19	Normal Booster	2100 3000	④
④	14–21	14 x 14 – 21 x 19	Normal Booster	2300 2600	③
③ + ④	18–21	18 x 18 – 21 x 39	Normal Booster	3000 3600	-
			Total	7360	

1 Cookware with a base diameter or surface (width x depth) within the given range may be used.

2 The rating given may vary depending on the size and material of the cookware used.

3 The cooking zone is linked to this cooking zone electrically so that the rating can be increased.

Power management

Total permitted power consumption

The hob has a maximum total permitted power consumption which cannot be exceeded for safety reasons. You can reduce the maximum total permitted power consumption.

The higher the total permitted power consumption of the hob, the more power levels/special functions can be used on all cooking zones at the same time.

If the set power levels/special functions require more power than can be provided in accordance with the total permitted power consumption, the hob will distribute the maximum permitted power between the cooking zones.

Effects of power distribution

If a cooking zone gives power to another zone, this can have the following effects on the zone giving the power:

- The power level is reduced.
- Auto heat-up is deactivated. Cooking continues at the set level. If the power is not sufficient, the power level will be reduced again.
- The Booster function is deactivated.
- The cooking zone is switched off.

When the cooking zone stops transferring power to another zone, the power level can be increased again.

Tip: If you wish to cook a large quantity of food on one cooking zone, switch the other cooking zones to lower power levels.

Operation

Hob when switched off

Only the printed symbol for the On/Off ⏻ *On/Off* sensor control is visible when the hob is switched off. More sensor controls light up when the hob is switched on.

Selecting a cooking zone

If you want to configure settings for a cooking zone, the cooking zone must be selected first. To select a cooking zone, touch the corresponding cooking zone display. After you touch the cooking zone display, it lights up brightly. When the cooking zone display appears bright, the cooking zone is selected and you can configure settings for the cooking zone. If cookware is detected on the other cooking zones, the other cooking zone indicators light up dimly. **Exception**: if only one of the cooking zones is in operation, you can configure settings without selecting the cooking zone.

Kitchen ventilation

Ensure that the kitchen is well ventilated when operating the cooker hood.

In extraction mode, the efficiency of the cooker hood is improved by the incoming air.

In recirculation mode, the moisture produced during cooking remains in the kitchen. Ventilation helps to dissipate moisture.

Components

Grease filter

The re-usable metal grease filters in the appliance remove solid particles (grease, dust, etc.) from the kitchen vapours, preventing soiling of the cooker hood.

Charcoal filter

With recirculation mode and Plug & Play recirculation mode, a charcoal filter must be fitted in addition to the grease filters. The charcoal filter is designed to absorb cooking odours.

A charcoal filter (DKF 37-P) is supplied as standard.

Charcoal filters are available as optional accessories.

Special functions

Permanent pan recognition

When you place cookware on a cooking zone, the numerical display for the cooking zone is activated automatically.

Pan size recognition

The size of the cookware is detected within a cooking zone. The release of energy is adapted to the size of the pan.

Flex cooking area

Depending on the model, your hob may not have a Flex cooking area.

A Flex cooking area links together 2 PowerFlex cooking zones, making it possible to use larger cookware.

The Flex cooking zones link automatically to form a Flex cooking area when you place sufficiently large items of cookware on them. The Flex cooking zones can also be linked manually.

Hob power levels

You can set the power for the cookware in levels from 1 to 9.

If you wish to fine-tune the power levels, you can activate intermediate levels via the settings.

Hob Booster

When the Booster function is activated, the power is boosted so that large quantities can be heated up quickly, e.g. when boiling water for cooking pasta.

Stop&Go

When Stop&Go is activated, all power levels are reduced to 1.
When the function is deactivated, the appliance switches back to the power level that was set last.

Tip: Use this special function if there is a danger of food boiling over.

Auto heat-up

When auto heat-up has been activated, the cooking zone switches on automatically at the highest setting (heat-up boost) and then switches to the power level (continued cooking setting) which you have previously selected.

Timer

The timer can be used for the following two functions:

- For setting the minute minder
- For automatically switching a cooking zone off

You can use the functions simultaneously.

Minute minder

You can set an alarm for activities that are independent of the hob.

Auto switch off

You can set a time after which a cooking zone will switch off automatically. This function can be used for all cooking zones at the same time.

System lock

If the system lock is activated, then the hob cannot be switched on.

Safety lock

The safety lock is activated when the hob is switched on. When the lock is activated, the hob can be operated only under certain conditions.

Recall

If the hob is switched off by mistake during use, this function can be used to restore all settings. The hob must be switched on again within 10 seconds of being switched off.

Keeping warm

This special function enables food to be kept warm after it has finished cooking.

The maximum duration for keeping food warm is 2 hours.

Wipe protection

The hob sensor controls can be locked for 20 seconds to remove soiling, for example. ① *On/Off* is not locked.

Con@ctivity

The vapour extraction will switch itself on automatically if there is an item of cookware on the cooking zone and a power level has been set for that zone. The power level for vapour extraction is set to suit the power level of the cooking zone. After switching off the cooking zones, the cooker hood is gradually reduced and finally switched off.

You can deactivate Con@ctivity temporarily or permanently.

Extraction mode

The air is drawn in and cleaned by the grease filter and directed outside.

Guided recirculation mode

The air is drawn in and cleaned by the grease filter. The air is then also cleaned by a charcoal filter. The air is then circulated back into the kitchen via an air duct.

Plug & Play mode

Without an air duct, the air flows into the base unit and back into the kitchen through openings. Please follow the instructions in “Installation”.

Vapour extractor power levels

Select power levels **1** to **3** for light to heavy cooking vapours, odours or heat.

Increase the power level as the level of vapours, odours or heat increases.

Cooker hood Booster function

For short periods of cooking food with intensive vapours, odours or heat, e.g. when searing meat, select Booster level **B**.

Run-on function

The run-on function enables the cooker hood to continue running for a pre-determined time before switching itself off automatically.

This helps to remove any lingering vapours and odours from the air after cooking. It also reduces the risk of residues accumulating in the cooker hood and any resultant odours.

Operating hours counter

The number of hours that the cooker hood has been used for is stored in memory.

When the *Grease filter indicator* sensor control lights up, the grease filter must be cleaned.

When the *Charcoal filter indicator* sensor control lights up, the charcoal filter must be replaced or reactivated (if suitable for reactivating).

You can set the operating hours counter intervals to suit the type of cooking you do.

The operating hours counter for the charcoal filter is deactivated in extraction mode.

Settings

You can adapt the settings of the hob to your personal needs.

Demo mode

This special function enables the hob to be demonstrated in dealer showrooms without heating up.

Residual heat indicator

If a cooking zone is still hot, the residual heat indicator will light up after all cooking zones have been switched off.

The bars of the residual heat indicator go out one after the other as the cooking zone cools down. The last bar only goes out when the cooking zone is safe to touch.

Safety switch-off

Sensor controls are covered

Your hob will switch off automatically if one or several of the sensor controls remain covered for longer than 10 seconds; for example, by finger contact, food boiling over or by an object. The timer display alternates between *Er* and *03* and a buzzer sounds. *Er03* will go out once you have removed the obstruction and/or soiling and the hob will be ready to use again.

Excessive operating time

The safety switch-off is triggered automatically if a cooking zone is heated for an unusually long period of time. This time depends on the power level selected. If the time has been exceeded, the cooking zone switches off and the residual heat indicator appears on the hob. If you switch the cooking zone off and on again, it is ready for operation again.

Power level[1]	Maximum operating time [h]
Keeping warm	10
1.0	10
1.5	10
2.0/2.5	5
3.0/3.5	5
4.0/4.5	4
5.0/5.5	4
6.0/6.5	4
7.0/7.5	4
8.0	4
8.5	4
9.0	1

[1] The power levels with a dot are intermediate levels.

Overheating protection

In order to prevent the hob from being damaged by excessive temperatures, the overheating protection mechanism intervenes in one of the following ways:

Overheating protection measures

- If the Booster function is switched on, it will stop.
- The set power level will be reduced.
- A cooking zone will switch off. *E* flashes alternately with *1* on the timer display.
- All cooking zones will switch off.

Triggering the overheating protection mechanism

The overheating protection mechanism may be activated under the following circumstances:

- The cookware being heated is empty.
- Fat or oil is being heated on a high power level.
- Insufficient ventilation to the underside of the hob.
- A hot cooking zone is switched back on after an interruption to the power supply.

Software version

Your hob can display its software status.

Unpacking the hob

- Please stick the data plate for the appliance, supplied with this documentation, in the space provided in the “After sales service” section of this booklet.
- Remove any protective foil and stickers.

Cleaning the hob for the first time

- Before using for the first time, clean the hob with a damp cloth.
- Wipe the hob dry.

Switching on the hob for the first time

The metal components have a protective coating. When the hob is used for the first time, this causes a smell and possibly also vapour. The heating of the induction coils also causes odours in the first few hours of operation. With each subsequent use, the odour is reduced until it disappears completely.

The odour and any vapours given off do not indicate a faulty connection or appliance and they are not hazardous to health.

Using the vapour extractor for the first time

Extraction mode:

The charcoal filter is not required for extraction mode.

- Set the operating mode of the integrated extractor (*P.11*) to extraction mode (*C.01*).

Guided recirculation mode or Plug & Play mode:

- Fit the charcoal filter.

Safety notes for operation

⚠ Risk of fire due to overheated food.

Unattended food can overheat and catch alight.

Do not leave the hob unattended whilst it is being used.

⚠ Risk of burning due to hot cooking zones.

The cooking zones will be hot after use.

Do not touch the cooking zones while the residual heat indicators are on.

⚠ Risk of burning due to hot items.

When the hob is switched on either deliberately or by mistake, or when there is residual heat present, there is the risk of metal items placed on the hob heating up.

Do not use the hob as a resting place for anything.

After use, switch the hob off with the ⏻ sensor control.

⚠ Placing hot cookware on the sensor controls and displays can damage the electronic module underneath.

The sensor controls do not respond.
They may be switched on or off unintentionally.
The hob will switch itself off (see “Familiarisation – Safety switch-off”).

Do not place hot cookware over the sensor controls or displays.

Switching the hob on

■ Touch ⏻ *On/Off*.

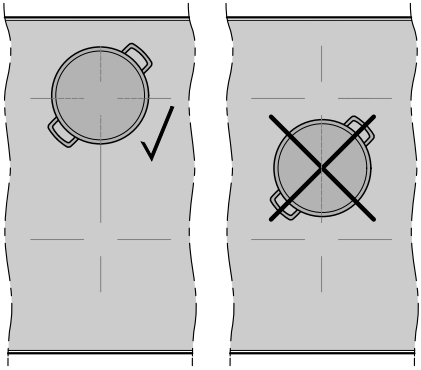
Other sensor controls light up.

If no further entry is made, the hob will switch itself off after a few seconds for safety reasons.

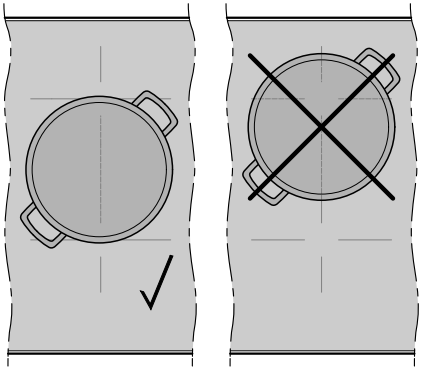
Positioning cookware

Refer to the cooking zone data for your hob model for information about cookware sizes and the corresponding positions (see “Familiarisation – Hob data”).

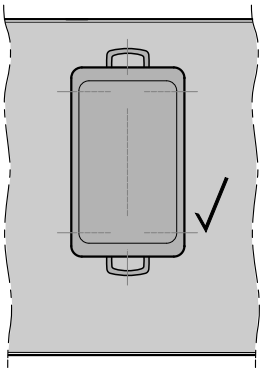
■ Position the cookware as shown below:



Flex cooking zone



Flex cooking area



Flex cooking area

Linking/unlinking Flex cooking zones manually

- To manually link or unlink the Flex cooking zones, touch the two corresponding cooking zone displays at the same time until both cooking zones light up brightly. The other sensor controls light up dimly.

When the Flex cooking zones are linked, both cooking zone displays show the set power level.

Hob power levels

Setting the power level

Permanent pan recognition is activated as standard. When the hob is switched on and you place an item of cookware on a cooking zone, the cooking zone display lights up brightly. The other sensor controls light up dimly.

- Place the cookware on the cooking zone you want to use.
- Touch the appropriate sensor control for the power level you want on the numerical display.

Setting the power level – intermediate levels

The intermediate levels are activated (see “Adjusting settings”).

- Touch + *Plus* or – *Minus*

The power level is displayed on the corresponding cooking zone display.

Changing the power level

■ Touch the relevant cooking zone indicator.

The cooking zone display lights up brightly. The other sensor controls light up dimly.

■ Touch the appropriate sensor control for the power level you want on the numerical display.

Booster

Activating the Booster

When the Booster is activated, the settings for the linked cooking zone may be changed.

You can use the Booster:

- On any cooking zone on either side

  or

- On the Flex cooking area

The Booster function is active for a maximum of 5 minutes.

■ Place the cookware on the cooking zone you want to use.

■ Select a power level if necessary.

■ Touch B *Booster*.

The cooking zone display shows b.

Deactivating the Booster

■ Set another power level.

If you deactivate the Booster function or at the end of the booster time, the cooking area will automatically revert to power level 9.

Activating/deactivating Stop&Go

All timer functions, booster times and heat-up boost times continue to run. The timer settings cannot be changed. The hob can only be switched off.

If the special function is not deactivated within 1 hour, the hob will switch off.

■ Touch II▶ *Stop&Go*.

The active cooking zones are changed from the set power level or keeping warm function to power level 1 or switched back again.

Power transfer

If the new cooking zone is capable of delivering less power than the previous one, the power level will be reduced.

■ Press and hold (> 2 seconds) the cooking zone display for the zone from which you wish to transfer the power.

All cooking zone displays will flash.

■ Touch the cooking zone display to which you want to send the power and, immediately afterwards, touch the cooking zone display from which you want to take the power.

The power will be transferred.

Auto heat-up

The heat-up time depends on which continued cooking setting has been chosen:

Continued cooking setting	Heat-up time [min:sec]
1	Approx. 0:45
2	Approx. 2:20
3	Approx. 3:45
4	Approx. 5:15
5	Approx. 6:45
6	Approx. 2:00
7	Approx. 2:45
8	Approx. 3:40
9	–

Activating auto heat-up

No timer functions can be set during the heat-up time.

- Touch the cooking zone indicator for the required cooking zone.
- Touch the sensor control for the continued cooking level you want until a tone sounds and the cooking zone display shows *A*.

The power level flashes alternately with *A* while the heat-up boost (power level 9) is running.

Deactivating auto heat-up

- Touch the cooking zone display for the required cooking zone.
- Set another power level.

Timer

Setting the time

A duration of between 1 min (*01*) and 99 min (*99*) can be set.

The time is entered using the numerical display and can be adjusted using the + *Plus* and − *Minus*.

- Enter durations in the order of minutes in tens and then units.

Example:

59 minutes = entry: 5-9
80 minutes = entry: 8-0

After the first number has been entered, the timer display will light up constantly. After the second number has been entered, the first number will move to the left.

Setting the timer

No cooking zone has been selected.
🔔 *Minute minder* lights up.

- Touch the timer display.

The timer display lights up brightly. The other sensor controls light up dimly.

- Set the required time.

Touch the timer display or wait 5 seconds to start the timer.

Changing the timer duration

No cooking zone has been selected.
🔔 *Minute minder* lights up.

- Touch the timer display.

The timer display lights up brightly. The other sensor controls light up dimly.

- Set the required time.

Touch the timer display or wait 5 seconds to start the timer.

Deleting the timer duration

No cooking zone has been selected.
🔔 *Minute minder* lights up.

- Touch the timer display.
- Touch *0* on the numerical display.

Setting the switch-off time

A cooking zone will switch off when the maximum operating time has elapsed, regardless of the switch-off time that has been set.

- Select a cooking zone and set a power level.
- Touch the timer display.

The timer display lights up brightly. The other sensor controls light up dimly.

🕘 *Auto switch off* next to the timer display lights up.

- Set the required time.

Touch the timer display or wait 5 seconds to start the switch-off time.

The switch-off time for the cooking process will count down and 🕘 *Auto switch off* next to the cooking zone will light up.

After approx. 10 seconds, the cooking zone will be automatically deselected and the switch-off time for the cooking process will no longer be displayed on the timer display.

Changing the switch-off time for a cooking process

- Touch the required cooking zone display.
- Touch the timer display.

The timer display lights up brightly. The other sensor controls light up dimly.

🕘 *Auto switch off* next to the timer display lights up.

- Set the required time.

Touch the timer display or wait 5 seconds to start the switch-off time.

The switch-off time for the cooking process will count down and 🕘 *Auto switch off* next to the cooking zone will light up.

After approx. 10 seconds, the cooking zone will be automatically deselected and the switch-off time for the cooking process will no longer be displayed on the timer display.

Deleting the switch-off time for a cooking process

- Touch the required cooking zone display.
- Touch the timer display.

The timer display lights up brightly. The other sensor controls light up dimly.

🕘 *Auto switch off* next to the timer display lights up.

- Touch *0* on the numerical display.

Setting the switch-off time for further cooking processes

- To set a switch-off time for a further cooking process, follow the same steps as described under “Operation – Setting the switch-off time for a cooking process”.

If a switch-off time is set for further cooking processes, the time left for the selected cooking zone is displayed. 🕘 *Auto switch off* lights up brightly next to the corresponding cooking zone display. The other sensor controls light up dimly.

Displaying the switch-off time for a cooking process

- If you want to show the time left which is counting down in the background, touch the relevant cooking zone display.

Auto switch off next to the timer display lights up.

The **rounded up** time left is displayed for the required cooking zone.

Using both timer functions at the same time

If you use both functions at the same time, the time of the last selected function is always displayed.

- Touch the timer display or the relevant cooking zone display and then the timer display if you want to show the times left counting down in the background.

System lock

Activating the system lock

All sensor controls are locked. A set timer will continue to count down.

No power level has been set for any of the cooking zones.

- Touch *System lock/Lock* until the timer display shows LOC.

The system lock is activated.

If a disallowed sensor control is touched while the system lock is activated, the timer display will show LOC for a few seconds and a buzzer will sound.

The settings can be adjusted so that the system lock is activated automatically 5 minutes after the hob has been switched off.

Deactivating the system lock

- Touch *System lock/Lock* until the timer display no longer shows LOC.

The system lock is deactivated.

Safety lock

Activating the safety lock

When the safety lock is activated, the hob can only be switched off.

- Touch *System lock/Lock*.

The timer display shows LOC.

If a disallowed sensor control is touched while the safety lock is activated, the timer display will show LOC for a few seconds and a buzzer will sound.

Deactivating the safety lock

- Touch *System lock/Lock*.

The timer display no longer shows LOC.

The lock function is deactivated.

Activating the Recall function

- Switch the hob on again.
- Immediately after switching the hob on, touch one of the flashing cooking zone indicators.

All settings are restored.

Activating/deactivating the Keeping warm function

The Keeping warm function cannot be used to reheat food that has gone cold.

- Touch the cooking zone indicator for the required cooking zone.

The cooking zone display lights up brightly. The other sensor controls light up dimly.

- Touch *Keeping warm*.

The corresponding cooking zone display shows *h*.

Tips for keeping food warm

- Only use cookware (pots/pans) for keeping food warm. Cover the cookware with a lid.
- Stir firm or viscous food (mashed potatoes, stew) occasionally.
- Nutrients are lost when food is cooked, and continue to diminish when food is kept warm. The longer food is kept warm, the greater the loss of nutrients. Try to ensure that food is kept warm for as short a time as possible.

Wipe protection

Activating wipe protection

■ Touch *Wipe protection*.

Wipe protection pulsates for approx. 20 seconds.

Deactivating wipe protection

■ Touch *Wipe protection* until *Wipe protection* lights up constantly and is no longer pulsating.

Vapour extraction

Manually setting the vapour extractor power level

If the vapour extractor starts at power level 1, the power is automatically increased to level 2 for 5 seconds.

The increase in power is necessary in order to ensure that the flap opens in extraction mode. If you are using the vapour extractor in recirculation mode, you can deactivate this automatic function.

■ Touch the vapour extraction display.

■ Touch the appropriate sensor control for the power level you want.

Manually switching off the cooker hood

■ Touch the vapour extraction display.

■ Touch **0** on the numerical display.

Activating the Booster

The Booster function is active for a maximum of 5 minutes.

■ Touch the vapour extraction display.

■ Touch B *Booster*.

Deactivating the Booster

■ Touch the vapour extraction display.

■ Set another power level.

Deactivating Con@ctivity temporarily

■ You can deactivate Con@ctivity in various ways:

- Touch *Con@ctivity*.
- Touch *0* on the numerical display.
- Select a different power level.

■ Set the power level you want.

Con@ctivity is reactivated when you switch the hob off and back on again.

Run-on

If recirculation mode is set, the cooker hood runs at level 1.

Depending on the last active power level, run-on lasts between 2 and 30 minutes.

Do not cancel the run-on function prematurely. Especially in Plug & Play mode, the run-on ensures that the base unit is dried.

In extraction mode without Con@ctivity, manually activate the run-on.

Manually activating run-on

■ After you have finished cooking, touch 5 15 *5 or 15 minute run-on* with the vapour extractor switched on:

- If you touch the sensor control once, the vapour extractor will switch off after 5 minutes.
- If you touch the sensor control twice, the vapour extractor will switch off after 15 minutes.

The timer display shows the run-on time.

5 15 *5 or 15 minute run-on* lights up brightly. The other sensor controls light up dimly.

Activating/deactivating demo mode

■ Open the Settings menu.

■ Under *P.01*, select *C.01*.

The timer display flashes for a few seconds:

- *dE* alternating with *On* (demo mode activated)

  or

- *dE* alternating with *OFF* (demo mode deactivated)

Setting ranges for the hob power levels

The hob is programmed with 9 power levels with intermediate levels at the factory. If you only want to use the whole-number settings for power levels, you can deactivate intermediate levels via the settings.

	Recommended cookware[1]	Setting range[2]	
		Factory setting 9 levels with intermediate levels	Whole numbers 9 levels without intermediate levels
Melting butter	Pot	1	1
Melting chocolate			
Dissolving gelatine			
Keeping warm food which sticks easily			
Heating small quantities of liquid		1–1.	1–2
Cooking rice			
Defrosting frozen vegetables in a block			
Making milk puddings			
Warming up liquid and semi-solid food		1.–3	2–3
Steaming fruit			
Simmering potatoes			
Rendering bacon	Frying pan		
Making pancakes, omelettes, lightly fried eggs, etc.	Frying pan with sandwich base and non-stick coating	2.–4.	3
Steaming fish		2–4.	2–3
Steaming vegetables	Pot		
Cooking pasta and pulses			
Thickening sauces, e.g. Hollandaise			
Defrosting and reheating frozen food	See manufacturer's instructions		
Gentle frying (e.g. whole fish)	Frying pan with sandwich base and non-stick coating	3–4.	3
Gentle frying (e.g. meat patties, chicken breast)	Frying pan		
Frying (e.g. fish fillet, escalopes, fried eggs)		3–5.	3–5
Searing/hot frying (e.g. steak, small quantities of meat, fried potatoes, hash browns)		5.–6.	5–7
Frying, e.g. chips	Pot with high rim	7.–9	9
Searing large quantities of meat	Pot with high rim or oven dish		
Bringing water to the boil	Pot	Booster	Booster

[1] Cook in covered pots and pans if possible. This prevents heat escaping unnecessarily.

[2] These settings should only be taken as a guide. The power of the induction coils will vary depending on the size and material of the cookware. For this reason, the power levels may need to be adjusted slightly to suit your cookware. As you use the hob, you will get to know which settings suit your cookware best. When using new cookware that you are not familiar with, set the power level to one level below the one specified.

Your hob

How induction hobs work

An induction coil is located under each induction cooking zone. The coil creates a magnetic field that reacts directly with the base of the cookware and heats it up. The cooking zone itself is heated up indirectly by the heat given off by the cookware.

An induction cooking zone only works when cookware with a magnetic base is placed on it. The hob automatically detects the size of the cookware.

Noises

When using induction cooking zones, the following noises can occur in the cookware, depending on what it is made of and how it has been constructed:

Buzzing on the higher power levels. This will decrease or cease altogether when the power level is reduced.

If the cookware base is made of layers of different materials (e.g. in a sandwiched base), it might emit a crackling sound.

Whistling might occur if linked cooking zones are being used at the same time and the cookware also has a base made of layers of different materials (e.g. sandwich base).

You might hear a clicking sound from the electronic switches, especially at lower power levels.

A whirring sound, when the cooling fan comes on. This switches on to protect the electronic module when the hob is being used intensively. The cooling fan may continue to run after the hob has been switched off.

Cookware

Suitable cookware

- Stainless steel cookware with a magnetic base
- Enamelled steel cookware
- Cast iron

Please be aware that the properties of the cookware base can affect the evenness with which the food heats up (e.g. when making pancakes). The base of the cookware must be able to distribute the heat evenly. Cookware with a base made from multilayer material (sandwich or encapsulated base) is ideal in this case.

Unsuitable cookware

- Stainless steel cookware without a magnetic base
- Aluminium or copper cookware
- Glass, ceramic or earthenware cookware

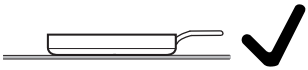
Testing cookware

To test whether a pot or pan is induction-compatible, hold a magnet to the base. If the magnet sticks, the pan is generally suitable.

Cookware tips

- Position the cookware as centrally as possible on the relevant cooking zone/cooking area.
- To make optimum use of the cooking zones, choose cookware with a suitable base diameter. If a pan is too small, it will not be detected.
- Use only pots and pans with smooth bases. Rough bases can scratch the ceramic surface.

- When cooking zones are joined together, we recommend using cookware which more or less covers the entire cooking area (e.g. an oven dish).
- Always lift cookware to move it. This will help prevent scratching. If any scratches do appear as a result of cookware being pushed around, this will not affect the function of the hob. These scratches are normal signs of use and are not grounds for making a complaint.
- Please note that the cookware diameter quoted by manufacturers often refers to the maximum diameter or diameter of the top rim. The diameter of the base (generally smaller) is more important.



- Where possible, use cookware with vertically straight sides. If an item of cookware has angular sides, induction also acts on the sides of the item of cookware. The sides of the item of cookware may discolour or the coating may peel off.

Good to know

Your cooker hood

How the cooker hood works

What happens to the air after extraction varies depending on the type of operation selected:

Air guidance	Grease filter	Duct	Charcoal filter	Out of the building	Back into the kitchen
Extraction mode	x	x	-	x	-
Guided recirculation mode	x	x	x	-	x
Plug & Play mode	x	-	x	-	x

A summary of the operating options and the KMDA variants that offer them can be found in “Installation – Operating options”.

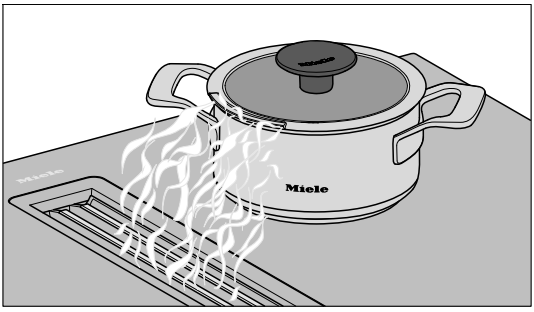
Operating hours counter

The number of hours that the vapour extractor has been used for is stored in memory.

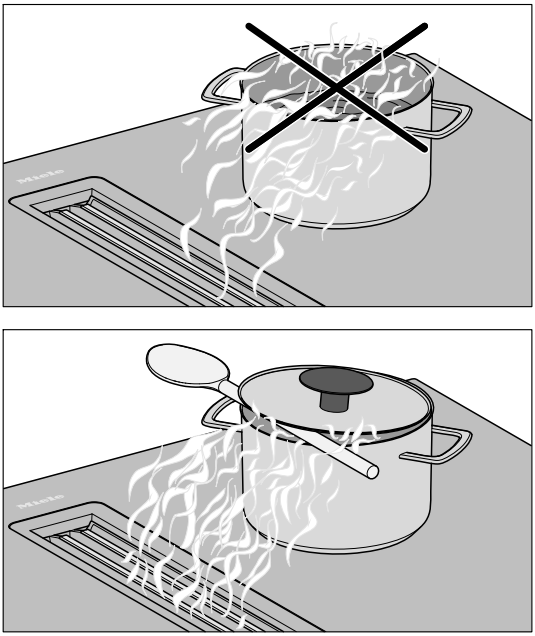
When the grease filter symbol or the charcoal filter symbol (only in the case of guided recirculation mode or Plug & Play mode) lights up, the operating hours counters are signalling that the filters need to be cleaned or replaced.

Air extraction tips

Tip: For light to heavy cooking vapours and odours, select power levels **1** to **3** (3 if the power level settings for the cooker hood have been modified). For short periods of very strong vapours and odours, e.g. whilst searing meat, select the Booster setting **B**.



Tip: Cookware with an optimised outlet for the vapours can be found in “Familiarisation – Optional accessories”.



Tip: If you do not have cookware with an optimised outlet for the vapours, you can place a wooden spoon between the lid and the pot to help extract air effectively with pots over 15 cm high.

Adjusting settings

Accessing the Settings menu

The hob is switched off.

- Press and hold ⏻ *On/Off* until the timer display shows *PC*.

Setting parameters

The display switches between parameter and code every 5 seconds.

- While *PC* or a parameter (e.g. *P.01*) is visible on the display, press + *Plus* repeatedly until the number for the parameter you want appears on the timer display.

Setting the code

The display switches between parameter and code every 5 seconds.

- While a code (e.g. *C.00*) is visible on the display, press + *Plus* repeatedly until the number for the code you want appears on the timer display.

Saving the settings

- While *PC* is visible on the display, press and hold ⏻ *On/Off* until the indicators go out.

To avoid saving the settings

- While a parameter (e.g. *P.01*) or a code (e.g. *C.00*) is visible on the display, press and hold ⏻ *On/Off* until the indicators go out.

Parameter[1]		Code	Settings[2]
P.01	Demo mode	C.00	**Demo mode off**
		C.01	Demo mode on[3]
P.02	Power management[4]	C.00	**Off**
		C.01	5700 W
		C.02	4500 W
		C.03	3300 W
		C.04	2800 W
		C.05	1500 W
P.03	Factory default	C.00	**Do not restore factory default settings**
		C.01	Restore factory default settings
P.04	Hob power level setting range	C.00	9 power levels without intermediate levels + Booster
		C.01	**9 power levels** **with intermediate levels + Booster**
P.07	Timer buzzer	C.00	Off
		C.04	**On**
P.08	System lock	C.00	**System lock can only be activated manually**
		C.01	System lock activated automatically
P.15	Permanent pan recognition	C.00	Permanent pan recognition off
		C.01	**Permanent pan recognition on**
P.17	Operating mode of the integrated extractor	C.00	**Recirculation mode**
		C.01	Extraction mode
P.20	Deleting the fault memory	C.00	**Off**
		C.01	Deleting the fault memory

1 Programmes not shown here have no allocation.

2 The factory default setting is shown in bold.

3 After turning on the hob, the timer display shows dE for a few seconds.

4 The total hob power may be reduced in order to meet the local power supply provider's requirements.

[5] *P.20* is intended solely for service purposes.

Displaying the software version

- Switch the hob on.
- Press and hold the timer display and the cooking zone display at the bottom left at the same time until a buzzer sounds.
- Within 10 seconds, press and hold the timer display and the cooking zone display at the bottom right at the same time until a buzzer sounds.

The figures displayed can be analysed in conjunction with the Customer Service Department.

Surfaces

Hob models with MattFinish at the end of their name feature matt black ceramic glass. MattFinish ceramic glass hobs differ from standard ceramic glass hobs due to their rougher texture and fewer light reflections. Special cleaning instructions must be observed due to the special features of MattFinish ceramic glass.

Cleaning the ceramic glass hob: KMDA 5649 FR, KMDA 5649 FL

Cleaning MattFinish ceramic glass surfaces is described in “Cleaning and care – Cleaning MattFinish ceramic glass hobs”.

Safety notes on cleaning and care

⚠ Cleaning standard ceramic glass surfaces such as MattFinish ceramic glass surfaces

can damage the standard ceramic glass surface.

Clean the standard ceramic glass surface according to the cleaning instructions for standard ceramic glass hobs.

⚠ Risk of burning due to hot surfaces.

All parts of the hob may be hot after use.

Switch the hob off.

Allow the hob to cool down before cleaning it.

All surfaces could be discoloured or damaged if unsuitable cleaning agents are used or if residues from suitable cleaning agents are heated on the hob. All surfaces are susceptible to scratching.

Allow the surfaces to cool down before cleaning the hob.

Remove all cleaning agent residues immediately.

Never use abrasive sponges or cleaning agents.

Using washing-up liquid will not remove all soiling and residues. An invisible film can develop that can lead to discolouration of the ceramic glass surface. This discolouration cannot be removed.

Clean the glass ceramic surface regularly with a proprietary ceramic glass cleaner.

▶ Do not use a steam cleaner to clean the hob.

▶ Do not use pointed objects for cleaning.

When to clean

- Before each use:
  Clean the entire hob and the base of the cookware.
- After every use:
  Clean the entire hob.
- Once a week:
  To prevent cleaning agent residue being burned on, clean the ceramic surface with the Miele ceramic and

stainless steel cleaner or with a proprietary ceramic glass cleaner. Please follow the cleaning agent manufacturer's instructions.

Cleaning the ceramic glass surfaces

Removing light soiling

- Clean the entire ceramic surface of the hob with a damp, soft cloth and a solution of water and a little washing-up liquid. Please follow the cleaning agent manufacturer's instructions.

Removing stubborn soiling

- Remove any coarse soiling with a damp cleaning cloth and more stubborn soiling with a glass scraper.
- Clean the ceramic surface with the Miele ceramic and stainless steel cleaner or with a proprietary ceramic glass cleaner. Please follow the cleaning agent manufacturer's instructions.

Finishing the cleaning process

- Remove all cleaning agent residues with a damp cleaning cloth.
- Dry the ceramic surface of the hob after cleaning.

Unsuitable cleaning agents

To avoid damaging the surfaces of the appliance, do not use:

- Cleaning agents containing soda, alkalines, ammonia, acids or chlorides
- Stain and rust removers
- Abrasive cleaning agents, e.g. powder cleaners and cream cleaners
- Cleaning agents containing solvents
- Dishwasher cleaning agents
- Grill and oven sprays
- Hard, abrasive brushes
- Eraser stain remover blocks
- Sponges

Cleaning the MattFinish ceramic glass hob: KMDA 5649 FL MattFinish

Cleaning Standard ceramic glass surfaces is described in "Cleaning and care – Cleaning ceramic glass hobs".

Safety notes on cleaning and care

If you clean the MattFinish ceramic glass surfaces in the same way as standard ceramic glass surfaces, the MattFinish ceramic glass may not become clean.

Clean the MattFinish ceramic glass surface according to the cleaning instructions for MattFinish ceramic glass hobs.

⚠ Risk of burning due to hot surfaces.

All parts of the hob may be hot after use.

Switch the hob off.

Allow the hob to cool down before cleaning it.

All surfaces could be discoloured or damaged if unsuitable cleaning agents are used or if residues from suitable cleaning agents are heated on the hob.

Allow the surfaces to cool down before cleaning the hob.

Remove all cleaning agent residues immediately.

⚠ Take care when handling cleaning chemicals. Some agents may be corrosive and irritant.

The relevant safety regulations and safety data sheets issued by the cleaning chemical manufacturers must be observed. Wear gloves!

Cosmetic products, especially sunscreen, and hand disinfectants can leave stains on matt glass surfaces.

If cosmetic products come into contact with a matt glass surface, remove the residue immediately with hot water, washing-up liquid and a clean microfibre cloth.

▶ Do not use a steam cleaner to clean the hob.

▶ Do not use pointed objects for cleaning.

When to clean

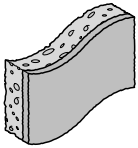
- Before each use:
  Clean the entire hob and the base of the cookware.
- After every use:
  Clean the entire hob.
- Once a week:
  To prevent cleaning agent residue being burned on, clean the ceramic surface with the Miele ceramic and stainless steel cleaner or with a proprietary ceramic glass cleaner. Please follow the cleaning agent manufacturer's instructions.

Cleaning the MattFinish ceramic glass surfaces

Removing light soiling

- Clean the entire ceramic surface of the hob with a damp, soft cloth and a solution of water and a little washing-up liquid. Please follow the cleaning agent manufacturer's instructions.

Removing stubborn soiling



1. Example of a cleaning sponge with a soft scouring side.

- Remove any coarse soiling with a damp cleaning cloth and more stubborn soiling with a glass scraper.
- Clean the ceramic surface with the Miele ceramic and stainless steel cleaner, with a proprietary ceramic glass cleaner or scouring liquid. Please follow the cleaning agent manufacturer's instructions.
- Soak heavily soiled areas with scouring liquid for 15 minutes.
- Clean the affected areas with a cleaning sponge with a soft scouring side (1) for 2–5 minutes.
- If any residue remains, repeat the process up to 3 times.

Removing very heavy soiling

- In the event of extreme soiling, use a strong alkaline oven cleaner or barbecue cleaner suitable for hobs. Leave the cleaning agent to work for at least 30 minutes.

Finishing the cleaning process

- Remove all cleaning agent residues with a damp cleaning cloth.
- Dry the ceramic surface of the hob after cleaning.

Unsuitable cleaning agents

To avoid damaging the surfaces of the appliance, do not use:

- Cleaning agents containing soda, ammonia, acids or chlorides
- Stain and rust removers
- Powder cleaners and cream cleaners
- Cleaning agents containing solvents
- Dishwasher cleaning agents
- Hard, abrasive brushes
- Eraser stain remover blocks

Parts suitable for dishwashers

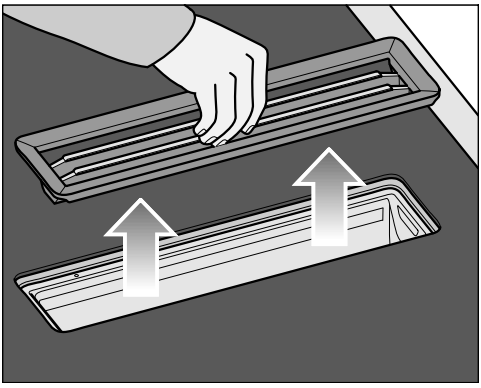
You can clean the removable components of your hob as follows:

	Automatic	By hand
Cover grille	X	X
Grease filter	X	X
Drip tray	X	X
Cleaning flap	X	X

Cover grille

Removing the cover grille

The cover grille could be damaged. Pull the cover grille vertically out of the top of the KMDA.



- Take hold of the cover grille in the centre of the bars.
- Pull the cover grille vertically upwards.

Cleaning the cover grille by hand

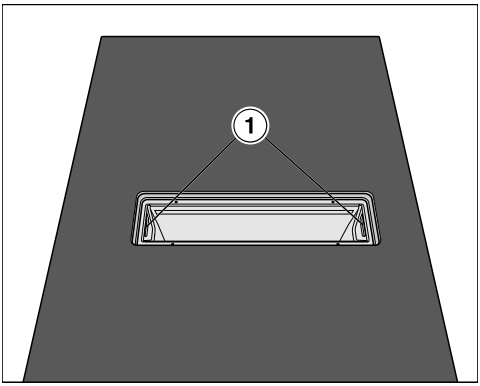
- Clean the cover grille with a soft nylon brush in a mild solution of hot water and a little washing-up liquid. Do not use concentrated washing-up liquid.

Cleaning the cover grille in the dishwasher

- Place the cover grille upright in the lower basket.
- Use a standard household dishwasher detergent.
- Select a dishwasher programme with a maximum wash temperature of 55 °C.

Grease filter

Removing the grease filter



- Remove the cover grille.
- Carefully remove the grease filter using the recessed grips (1). Ensure that you do not tilt the grease filter.
- Pour out any liquid which has collected at the bottom of the grease filter.

Cleaning the grease filter by hand

- Clean the grease filter with a soft nylon brush in a mild solution of hot water and a little washing-up liquid. Do not use concentrated washing-up liquid.

Important information on cleaning in a dishwasher

Excessively high temperatures can render the grease filter unusable (e.g. due to being warped out of shape). Select a programme that does not exceed the recommended temperature.

Also follow the information provided in the operating instructions for the dishwasher.

Depending on the cleaning agent used, the internal filter surfaces may become discoloured. However, this will not affect the functioning of the grease filter in any way.

Cleaning the grease filter in the dishwasher

- Place the grease filter with its base facing upwards in the lower basket. Ensure the spray arm is not obstructed.
- Use a standard household dishwasher detergent.
- Select a dishwasher programme with a maximum wash temperature of 65 °C.

Fitting the grease filters

The grease filter and the grease filter slot are designed so that it is impossible to insert the filter the wrong way round. Do not force the grease filter into place.

- Insert the grease filter so that it is completely hidden inside the grease filter slot.

Replacing the grease filter

Regular usage and cleaning can cause the filter surfaces to become worn.

If you identify any damage, replace the grease filter.

Grease filters are available to order via the Miele Customer Service Department (see end of these operating instructions for contact details) or from your Miele dealer.

Resetting the grease filter operating hours counter

After cleaning the grease filter, the operating hours counter needs to be reset.

■ Touch and hold *Grease filter indicator* for 3 seconds.

The sensor control goes out.

Charcoal filter (only in the case of guided recirculation mode or Plug & Play mode)

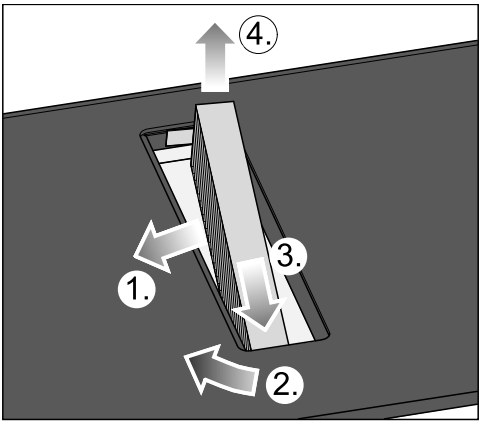
Replacing the charcoal filter (only in the case of guided recirculation mode or Plug & Play mode)

The charcoal filters must be replaced after 120 operating hours. *Charcoal filter indicator* is illuminated.

The charcoal filters listed here are suitable for the KMDA variants covered by these operating instructions: DKF 37-P.

■ Remove the cover grille.

■ Remove the grease filter.



■ Remove the charcoal filter.

Resetting the charcoal filter operating hours counter (only in the case of guided recirculation mode or Plug & Play mode)

The operating and installation instructions supplied with the recirculation box state that the operating hours counter for the charcoal filter needs to be activated. This is not necessary here.

Charcoal filter indicator is also illuminated when the vapour extractor is operated using extraction mode.

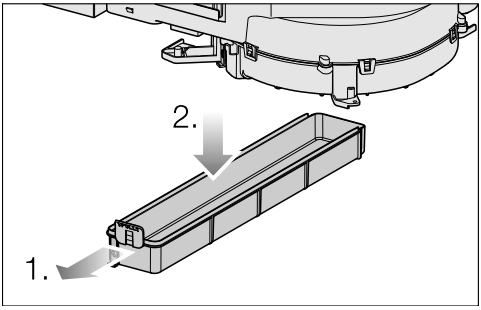
■ Touch and hold *Charcoal filter indicator* for 3 seconds.

The sensor control goes out.

Cleaning the cooker hood drip tray

Clean the drip tray if liquid from food being spilled or boiling over has got into the cooker hood.

■ Remove and clean the grease filter as described in “Cleaning and care – Grease filter”.



■ Push the plastic bracket to the left ① until the drip tray can be pulled downwards ②.

■ Pour out the liquid.

■ Clean and dry the drip tray.

■ Also clean and dry accessible areas inside of the cooker hood.

- Fasten the drip tray back onto the casing.
- Replace the grease filter and refit the cover grille.

Cleaning inside the cooker hood casing

- Remove the grease filter.
- Clean off any accessible oil or fat build-up from the casing.

Messages in the display

Problem	Cause and remedy
After turning on the hob or touching a sensor, the timer display shows LOC for a few seconds.	The system lock is activated. ■ Deactivate the system lock.
	The safety lock is activated. ■ Deactivate the safety lock.
After turning on the hob, the timer display briefly shows dE. The cooking zones do not heat up.	The hob is in demo mode. There is cookware on the hob. ■ Switch the hob on. ■ Switch demo mode off.
E flashes alternately with 1 on the timer display.	The overheating protection mechanism has been activated. ■ Allow the hob to cool down. ■ Rectify the causes of the overheating. ■ Check that the hob is working. ■ If this fault message continues to appear on the timer display, contact the Customer Service Department.
The timer display alternates between E and 2.	The fan is blocked or defective. ■ Make sure it has not been blocked by an object. ■ Remove the obstruction. ■ If this fault message continues to appear on the timer display, contact the Customer Service Department.
The hob has switched off automatically. When the hob is switched back on, the timer display shows Er03.	One or more of the sensor controls are covered, e.g. by finger contact, food boiling over or an object. ■ Remove the soiling and/or obstruction.
The timer display alternates between E and 4 or 6.	The hob is set to the wrong voltage. ■ Disconnect the hob from the mains power supply. ■ Contact the Customer Service Department.
A message not listed in this table is appearing in the timer display.	There is an electronic module fault. ■ Disconnect the power supply to the hob for approx. 1 minute. ■ If the problem persists after the power supply has been restored, please contact the Customer Service Department.

Troubleshooting

Many malfunctions and faults can be easily remedied. You can save time and money in many cases, as you do not need to contact Customer Service.

More information to help you remedy faults yourself can be found at www.miele.de/support/customer-assistance.

Unexpected behaviour

Problem	Cause and remedy
Power level 9 is automatically reduced if you also set power level 9 for the connected cooking zone.	Operating both zones at power level 9 exceeds the permitted maximum power for the two zones. ■ Use a different cooking zone.
A cooking zone or the whole hob switches off automatically.	It has been operated for too long. ■ Switch the hob or cooking zone on again.
	The overheating protection mechanism has been activated. ■ Allow the hob to cool down. ■ Rectify the causes of the overheating. ■ Check that the hob is working. ■ If the problem occurs again, contact the Customer Service Department.
The cooking zone is not working in the usual way with the set power level.	The overheating protection mechanism has been activated. ■ Allow the hob to cool down. ■ Rectify the causes of the overheating. ■ Check that the hob is working. ■ If the problem occurs again, contact the Customer Service Department.
The Booster level has deactivated early automatically.	The overheating protection mechanism has been activated. ■ Allow the hob to cool down. ■ Rectify the causes of the overheating. ■ Check that the hob is working. ■ If the problem occurs again, contact the Customer Service Department.

Unsatisfactory results

Problem	Cause and remedy
The food in the cookware does not heat up when the auto heat-up is switched on.	Large quantities of food are being cooked. ■ Start cooking at the highest power level and then switch back manually.
	The cookware is not conducting heat properly. ■ Use different cookware that is able to better conduct heat.
The extraction power of the vapour extractor is low.	Recirculation mode is set as the operating mode. ■ Set the operating mode of the integrated extractor (*P.11*) to extraction mode (*C.01*).

General problems or technical faults

Problem	Cause and remedy
The hob or cooking zones will not switch on.	There is no power to the hob. ■ Check whether the circuit breaker has tripped. Contact a qualified electrician or the Miele Customer Service Department (for the minimum fuse rating, see data plate).
	There may be a technical fault. ■ Disconnect the hob from the electricity supply for approx. 1 minute. To do this: – Trip the relevant mains fuse or screw the fine-wire fuse out completely, or – Switch off at the residual current device. ■ If the hob will still not turn on after resetting the trip switch in the fuse box or the residual current device, contact a qualified electrician or the Miele Customer Service Department.
A smell and vapours are given off when the new hob is being used.	The metal components have a protective coating. When the hob is used for the first time, this causes a smell and possibly also vapour. The material from which the induction coils are made also gives off an odour in the first few hours of operation. With each subsequent use, the odour is reduced until it disappears completely. The odour and any vapours given off do not indicate a faulty connection or appliance and they are not hazardous to health.

Troubleshooting

Problem	Cause and remedy
An operating noise can be heard after the hob has been switched off.	The cooling fan runs until the hob has cooled down and then switches off automatically.
Liquid has got into the vapour extractor.	Due to boiling over or spillage, liquid has made its way through the cover grille into the vapour extractor. The base of the grease filter can hold approx. 250 ml of liquid. The drip tray underneath the housing can hold a further 900 ml of liquid. ■ Switch the vapour extractor off. ■ Clean the grease filter, the drip tray and the inside of the housing.
Extraction power has decreased. Extraction noise has increased.	Objects (e.g. a cloth) have been drawn into the cooker hood. ■ Switch the vapour extractor off. ■ Remove the grease filter. ■ Remove any objects from the grease filter.
▩ *Charcoal filter indicator* **lights up**	The charcoal filter must be replaced. ■ Replace the charcoal filter. ■ Reset the operating hours counter.
▩ *Grease filter indicator* **lights up**	The grease filter needs to be cleaned. ■ Clean the grease filter.

Information to help you rectify faults yourself and about Miele spare parts can be found at www.miele.com/service.

Contact in the event of a fault

In the event of a fault which you cannot remedy yourself, please contact your Miele dealer or Miele Customer Service.

You can book a Miele Customer Service call-out online at www.miele.com/service.

Contact information for Miele Customer Service can be found at the end of this document.

Please quote the model identifier and serial number of your appliance (SN) when contacting Miele Customer Service. These can be found on the data plate or see “Operation – Hob data”.

Data plate

Stick the extra data plate supplied with the appliance here. Make sure that the model identifier matches the one specified on the back cover of this document.

Warranty

For information on the appliance warranty specific to your country please contact Miele. See back cover for address.

In the UK, your appliance warranty is valid for 2 years from the date of purchase. However, you must activate your cover by calling 0330 160 6640 or registering online at www.miele.co.uk.

Technical data

Product data sheets

The following product data sheets apply to the models described in these operating and installation instructions.

Information for domestic electric hobs

In acc. with regulation (EU) No. 66/2014

MIELE	
Model name/identifier	KMDA 5649 FR, KMDA 5649 FL, KMDA 5649 FL MattFinish
Type of hob	built-in
Number of cooking zones and/or areas	4
For circular cooking zones: diameter of useful surface area/cooking zone For non-circular cooking zones or areas: length and width of useful surface area per electric cooking zone or area	1. = Ø 120-160 mm 2. = Ø 140-210 mm 3. = 210x380 mm
Energy consumption per cooking zone or area calculated per kg ($EC_{electric\ cooking}$)	1. = 177,7 Wh/kg 2. = 206,7 Wh/kg 3. = 192,5 Wh/kg
Energy consumption for the hob calculated per kg ($EC_{electric\ hob}$)	192,3 Wh/kg
- Dual-circuit ring / front left / Induction	
- Dual-circuit ring / rear left / Induction	
- Flex cooking area / right / Induction	

Data sheet for household cooker hoods

In acc. with delegated regulation (EU) No. 65/2014 and regulation (EU) No. 66/2014

MIELE	
Model name/identifier	KMDA 5649 FR, KMDA 5649 FL, KMDA 5649 FL MattFinish
Annual Energy Consumption (AEC_{hood})	48,7 kWh/year
Energy efficiency class	A
Energy efficiency index (EEI_{hood})	45,5
Fluid Dynamic Efficiency (FDE_{hood})	33,8
Fluid Dynamic Efficiency class	
A (most efficient) to G (least efficient)	A
Lighting Efficiency (LE_{hood})	0,0 lx/W
Lighting Efficiency class	
A (most efficient) to G (least efficient)	NA

Grease Filtering Efficiency	91,0%
Grease Filtering Efficiency class	
A (most efficient) to G (least efficient)	B
Airflow at best efficiency point	335,8 m^3/h
Air flow (min. speed)	230 m^3/h
Air flow (max. speed)	495 m^3/h
Air flow (intensive or boost setting)	635 m^3/h
Max. air flow (Q_{max})	635,9 m^3/h
Air pressure at best efficiency point	605 Pa
Airborne acoustical A-weighted sound power emissions (min. speed)	48 dB
Airborne acoustical A-weighted sound power emissions (max. speed)	66 dB
Airborne acoustical A-weighted sound power emissions (intensive or boost setting)	71 dB
Electrical power input at best efficiency point	166,8 W
Power consumption in standby mode (P_s)	0,30 W
Nominal power of lighting system	W
Average illumination of the lighting system on the cooking surface	lx
Time increase factor	0,8

Copyrights and Licences

Zhongshan E-Tech ANC Co., Ltd All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of Zhongshan E-Tech ANC Co., Ltd nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT

(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 2024 - Zhongshan E-Tech ANC Co., Ltd

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

   "Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

   "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

   "Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

   "Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

   "You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

   "Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

   "Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

   "Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

   "Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original

work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.
3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.
4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

   – You must give any other recipients of the Work or Derivative Works a copy of this License; and

- You must cause any modified files to carry prominent notices stating that You changed the files; and
- You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
- If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.
6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.
7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.
8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to

damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

United Kingdom
Miele Co. Ltd., Fairacres, Marcham Road, Abingdon, Oxon, OX14 1TW
Tel: 0330 160 6600, Internet: www.miele.co.uk, E-mail: info@miele.co.uk

Australia
Miele Australia Pty. Ltd.
ACN 005 635 398
ABN 96 005 635 398
Level 4, 141 Camberwell Road
Hawthorn East, VIC 3123
Tel: 1300 464 353
E-mail: info@miele.com.au
Internet: www.miele.com.au

China Mainland
Miele Electrical Appliances Co. Ltd.
No. 82, Shimenyi Road, JingAn District
Shanghai, China, P.R.C
Post Code: 200040
Phone: +86 21 6157 3500
Fax: +86 21 6157 3511
E-mail: info@miele.cn
Internet: www.miele.cn

Hong Kong, China
Miele (Hong Kong) Ltd.
41/F - 4101, Manhattan Place
23 Wang Tai Road
Kowloon Bay, Hong Kong
Tel: (852) 2610 1025
Fax: (852) 3579 1404
E-mail:
customerservices@miele.com.hk
Website: www.miele.hk

India
Miele India Pvt. Ltd.
1st Floor, Copia Corporate Suites,
Commercial Plot 9, Mathura Road,
Jasola, New Delhi - 110025
E-mail: customercare@miele.in
Website: www.miele.in

Ireland
Miele Ireland Ltd.
2024 Bianconi Avenue
Citywest Business Campus
Dublin 24
Tel: (01) 461 07 10
Fax: (01) 461 07 97
E-mail: info@miele.ie
Internet: www.miele.ie

Malaysia
Miele Sdn Bhd
Suite 12-2, Level 12
Menara Sapura Kencana
Petroleum
Solaris Dutamas No. 1
Jalan Dutamas 1
50480 Kuala Lumpur, Malaysia
Phone: +603-6209-0288
Fax: +603-6205-3768

New Zealand
Miele New Zealand Limited
IRD 98 463 631
8 College Hill
Freemans Bay, Auckland 1011
Tel: 0800 464 353
E-mail: customercare@miele.co.nz
Internet: www.miele.co.nz

Singapore
Miele Pte. Ltd.
29 Media Circle
#11-04 ALICE@Mediapolis
Singapore 138565
Tel: +65 6735 1191
Fax: +65 6735 1161
E-mail: info@miele.com.sg
Internet: www.miele.sg

South Africa
Miele (Pty) Ltd.
63 Peter Place, Bryanston 2194
P.O. Box 69434, Bryanston 2021
Tel: (011) 875 9000
Fax: (011) 875 9035
E-mail: info@miele.co.za
Internet: www.miele.co.za

Thailand
Miele Appliances Ltd.
BHIRAJ TOWER at EmQuartier
43rd Floor Unit 4301-4303
689 Sukhumvit Road
North Klongton Sub-District
Vadhana District
Bangkok 10110, Thailand

United Arab Emirates
Miele Appliances LLC
Showroom 1, Eiffel 1 Building
Sheikh Zayed Road, Umm Al Sheif
P.O. Box 114782 - Dubai
Tel. +971 4 3044 999
Fax. +971 4 3418 852
800-MIELE (64353)
E-mail: info@miele.ae
Website: www.miele.ae

Manufacturer: Miele & Cie. KG, Carl-Miele-Straße 29, 33332 Gütersloh, Germany

Miele

KMDA 5649 FR, KMDA 5649 FL,
KMDA 5649 FL MattFinish

en-GB

M.-Nr. 13 156 530 / 00 / 002